

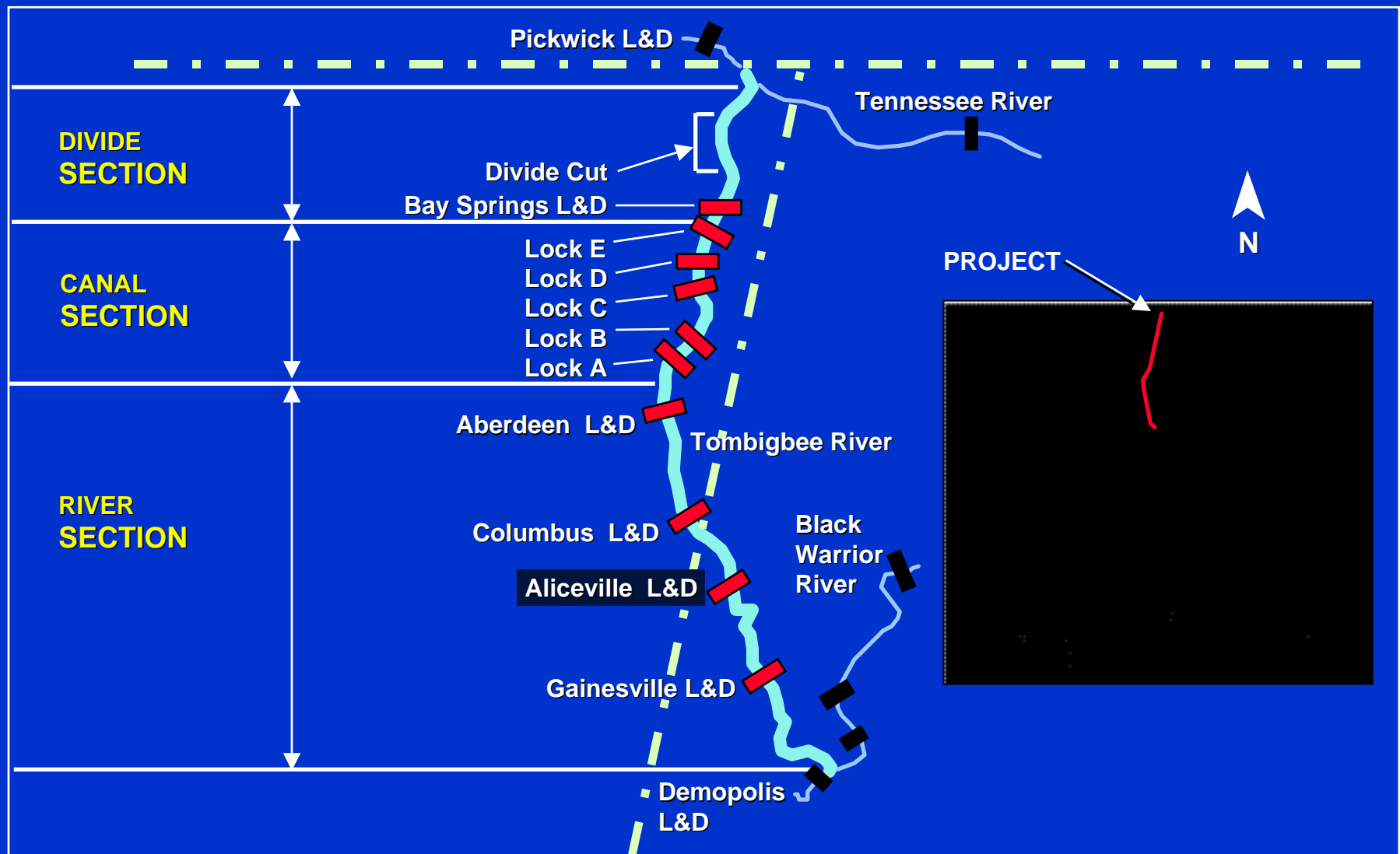


**TENNESSEE - TOMBIGBEE WATERWAY
WILDLIFE
MITIGATION PROJECT**

NAVIGABLE WATERWAYS



TENNESSEE -TOMBIGBEE WATERWAY











MAJOR FEATURES OF THE TENNESSEE-TOMBIGBEE WATERWAY THAT RESULTED IN WILDLIFE HABITAT LOSSES

- **234 - Mile Overall Length**
- **Real Estate Interests Acquired on +110,000 Acres**
- **10 Locks and Dams**
- **46 - Mile Long Canal Section Levee**
- **35 Cutoffs in River Section**
- **Divide Cut with Maximum Depth of 175 Feet**
- **Almost 300 Million Cubic Yards Excavated**
- **Over 14,000 Acres of Disposal Areas**
- **Over 40,000 Acres of Water Created**
- **52 Recreation Areas**
- **34,000 Acres of Forested Wetlands Destroyed**

TENNESSEE-TOMBIGBEE WATERWAY WILDLIFE MITIGATION AUTHORIZED PLAN - WRDA 86

- ACQUIRE AND MANAGE 88,000 ACRES OF SEPARABLE LANDS UNDER SPECIFIC PROVISIONS OF WRDA
- INTENSIVE MANAGEMENT OF EXISTING PROJECT LANDS DESIGNATED FOR WILDLIFE MITIGATION
 - 72,500 ACRES - TTW PROJECT
 - 20,100 ACRES - OTHER PROJECTS
- STATES OF MISSISSIPPI AND ALABAMA SHALL BE REIMBURSED FOR MANAGEMENT OF BOTH EXISTING AND SEPARABLE LANDS

TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT

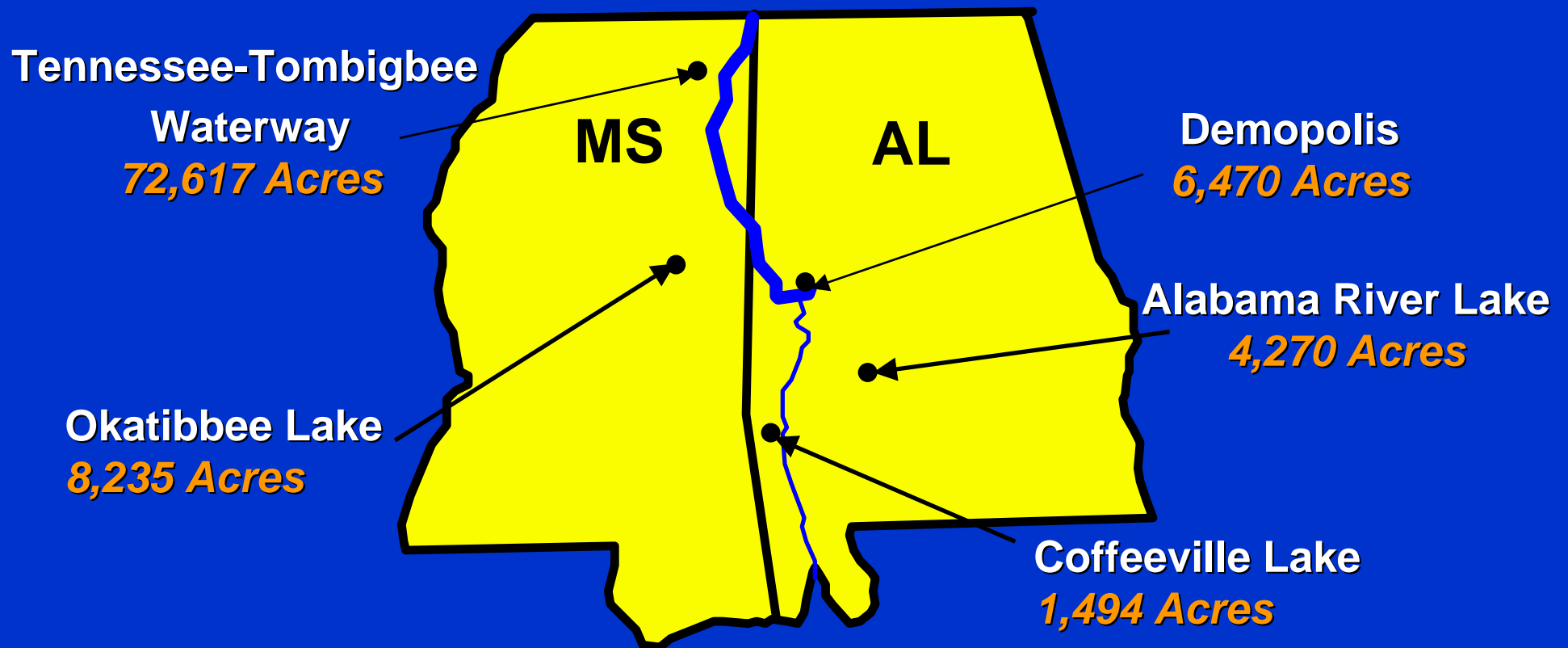


A COOPERATIVE EFFORT



TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION AREAS

Existing Corps Lands Designated for Mitigation Management

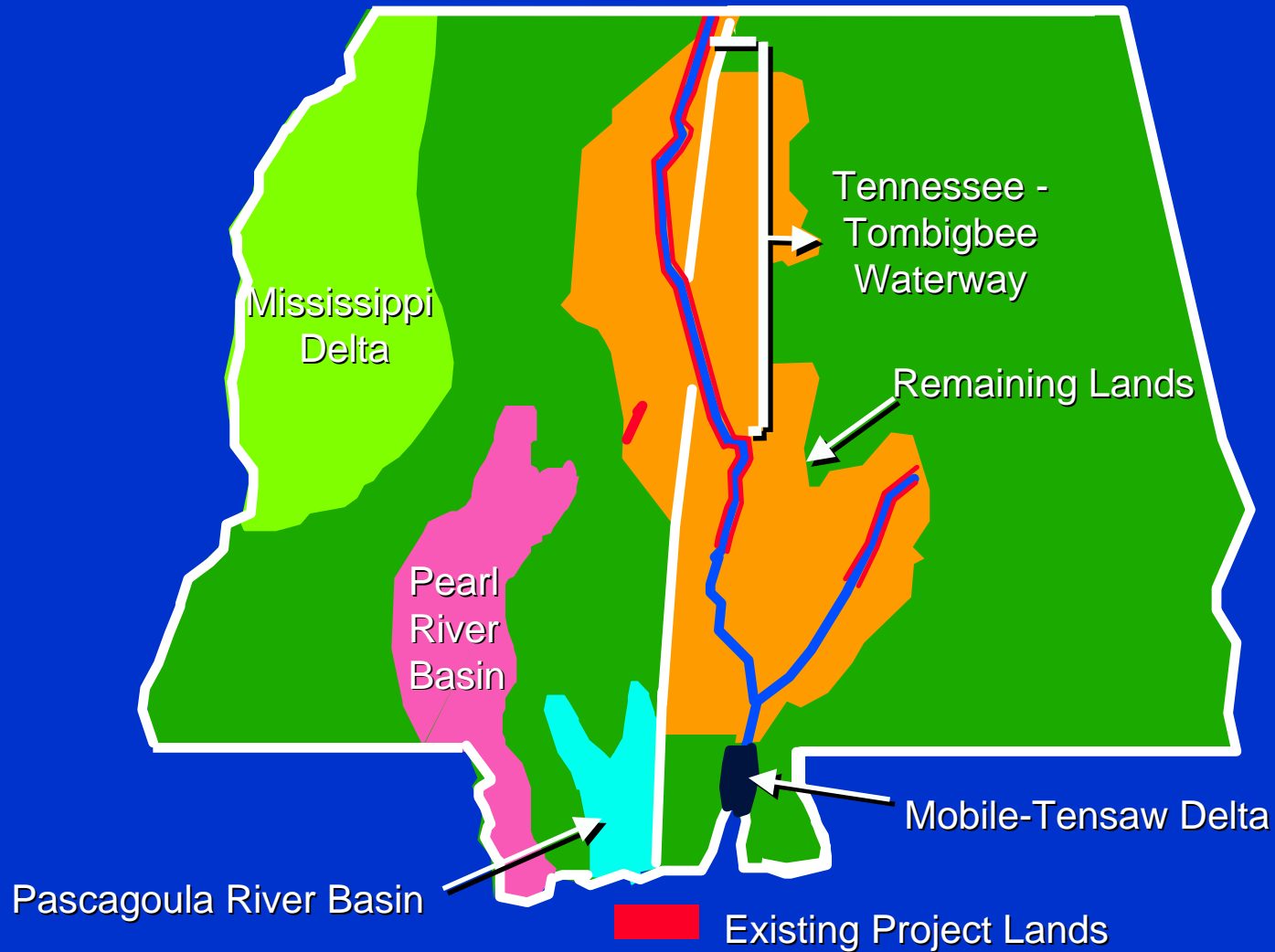


PROJECT SCOPE

- **Geographic Regions**
- **Land Selection - Coordinated Effort**
- **Specific Habitat Criteria**
- **Purchase from Willing Sellers Only**
- **Lands Acquired at Fair Market Value**

TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT

CANDIDATE LAND AREAS









INITIAL DEVELOPMENT MEASURES

- **Office/Equipment Storage Complexes**
- **Road Upgrades**
- **Boundary Survey**
- **Waterfowl Impoundment**
- **Habitat Manipulation**
- **Nesting Structures**
- **Management Equipment**











Bald Eagle



**Gopher
Tortoise**

**SENSITIVE
SPECIES**



**Yellow Blotched
Map Turtle**



**Louisiana
Black Bear**



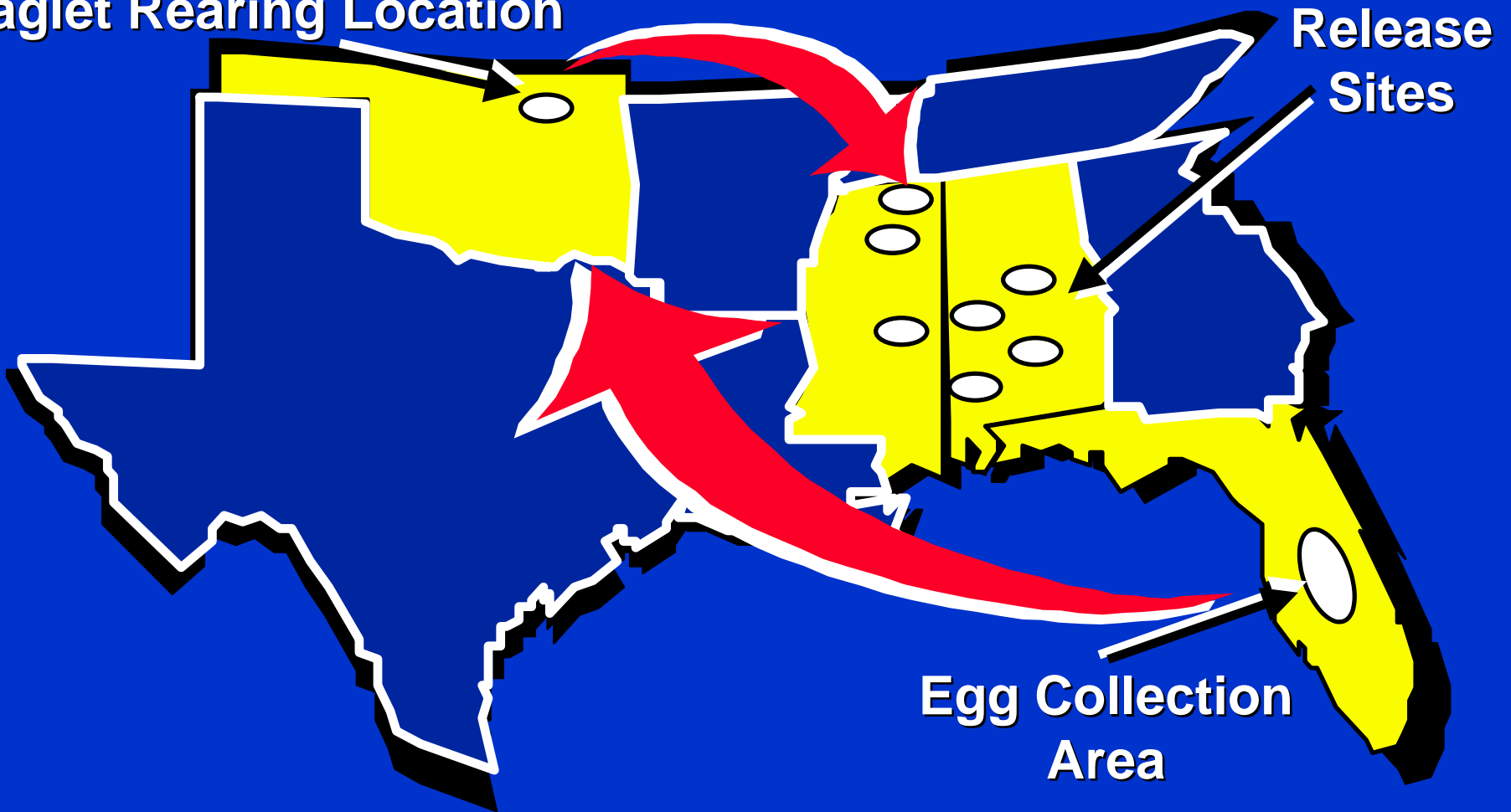
Red Hills Salamander

THREATENED AND ENDANGERED SPECIES

Bald Eagle	(T)
Red Hills Salamander	(T)
Alabama Redbelly Turtle	(E)
Yellow-blotched Map Turtle	(T)
Gopher Tortoise	(T)
Ringed-sawback Turtle	(T)
Wood Stork	(E)
Southern Clubshell Mussel	(E)
Orange-nacre Mucket Mussel	(T)
Judge Tait's Mussel	(E)
Pentitent Mussel	(E)
Inflated Heelsplitter Mussel	(T)
Flat Pigtoe Mussel	(E)
Stirrupshell Mussel	(E)
Louisiana Black Bear	(T)

BALD EAGLE RECOVERY PROJECT

Egg Hatching and Young
Eaglet Rearing Location











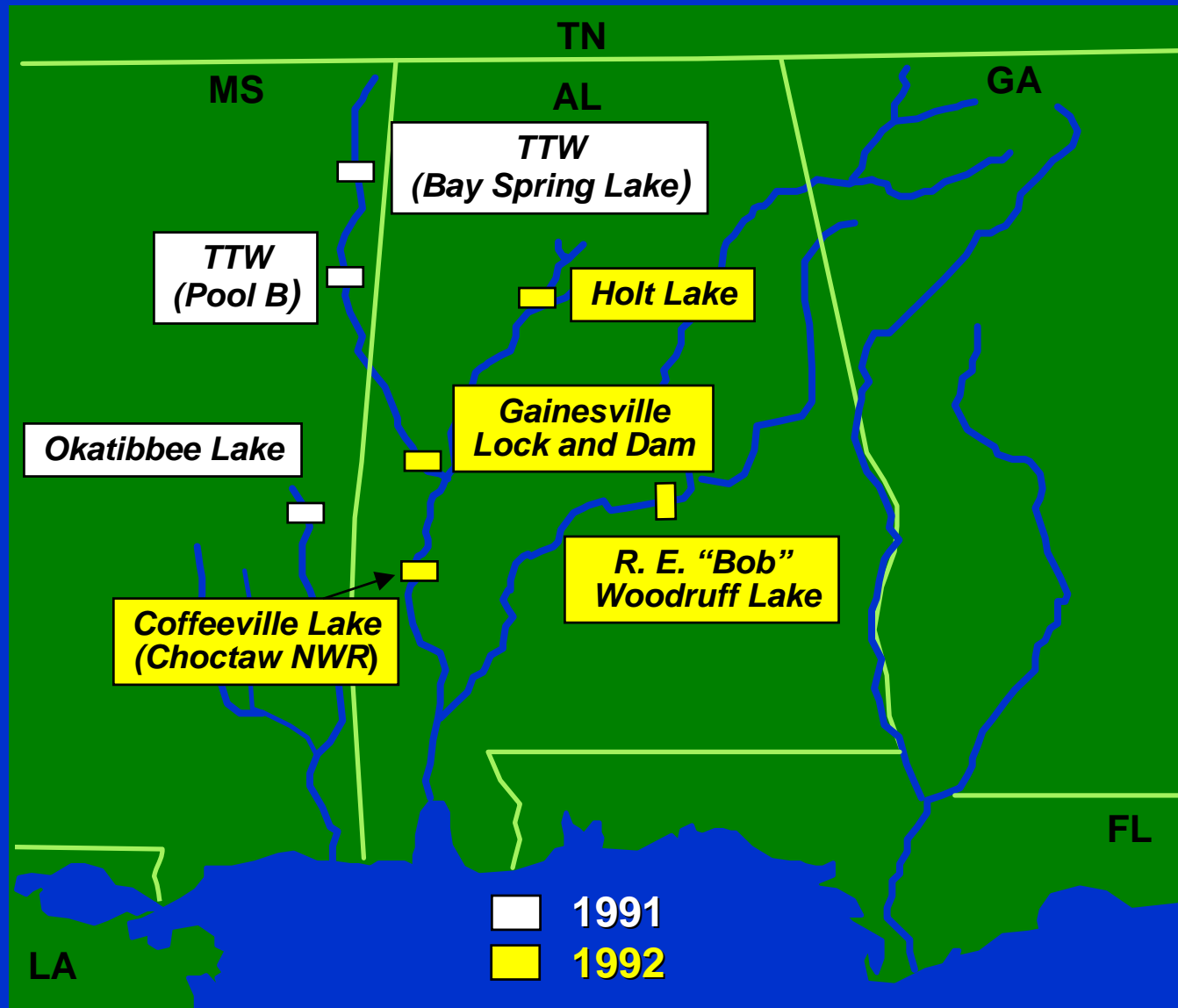




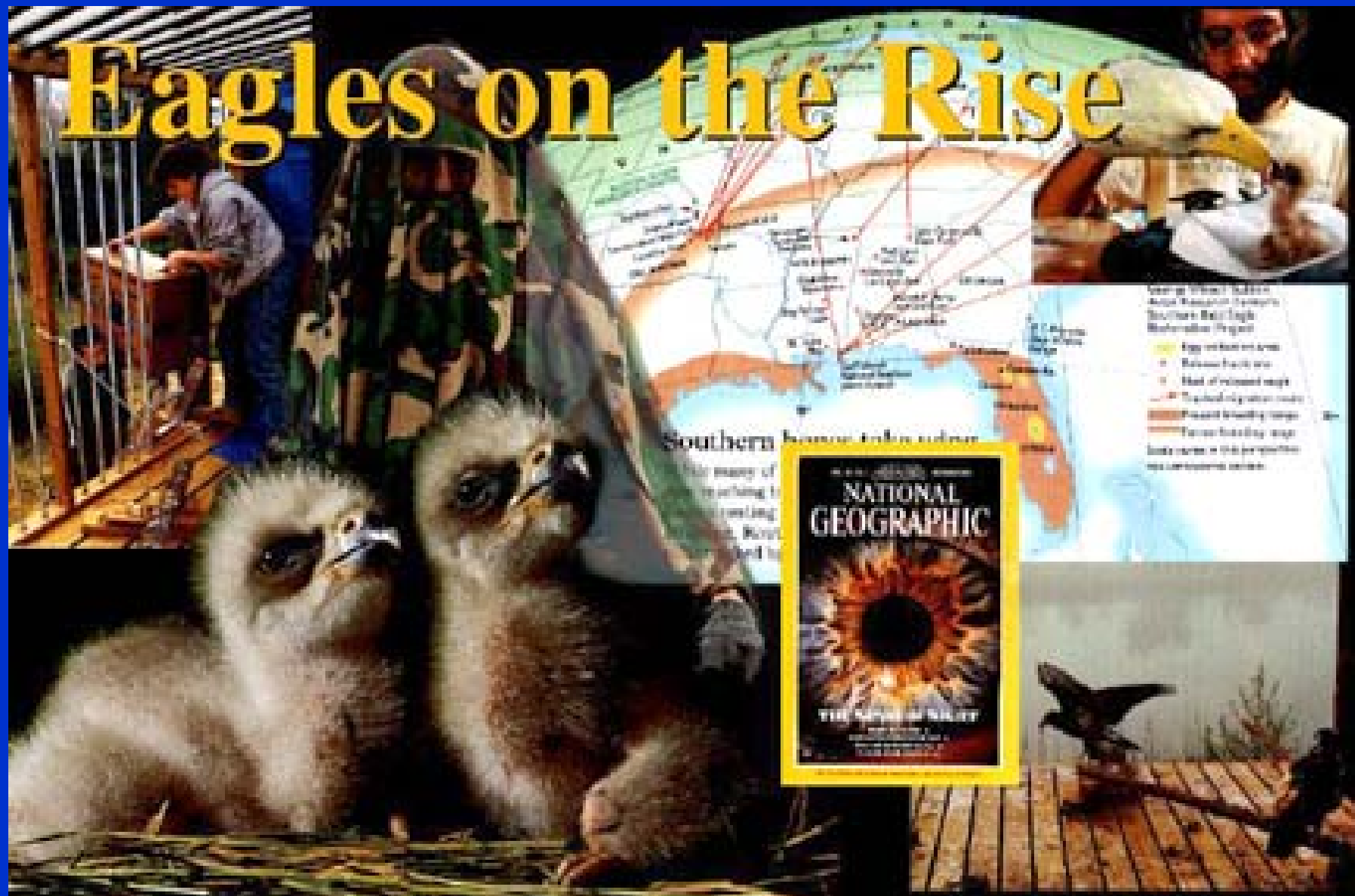




Bald Eagle Restoration Project (1991-1992)



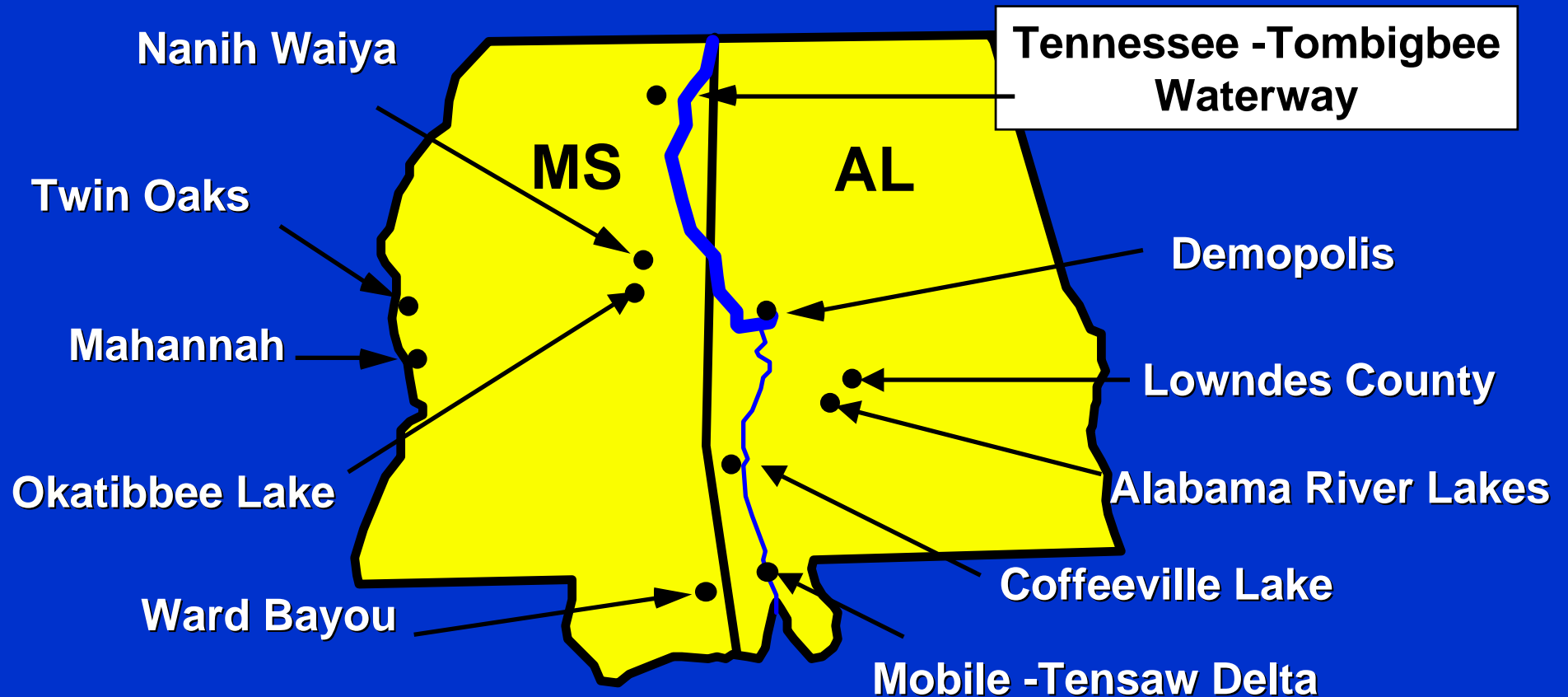
Eagles on the Rise





TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS





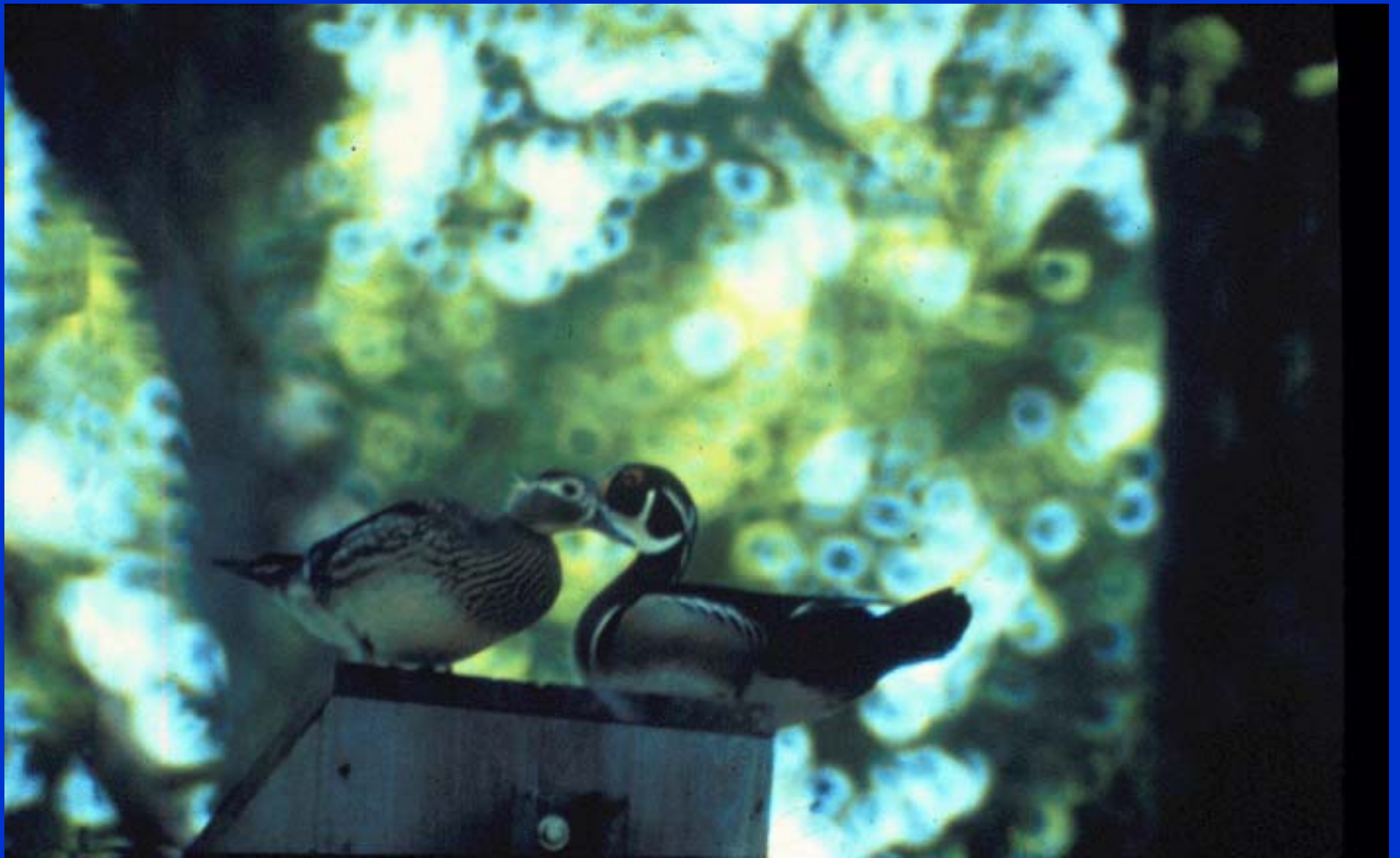






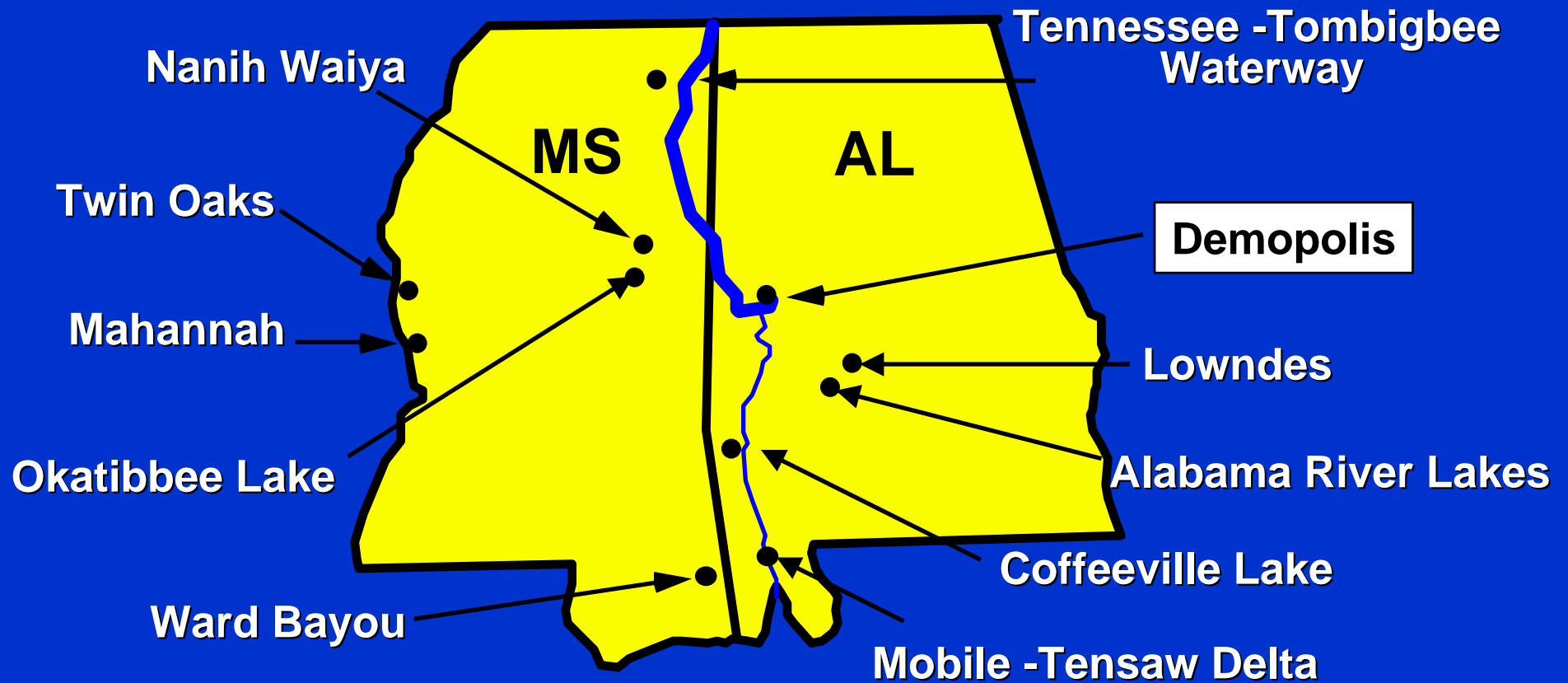




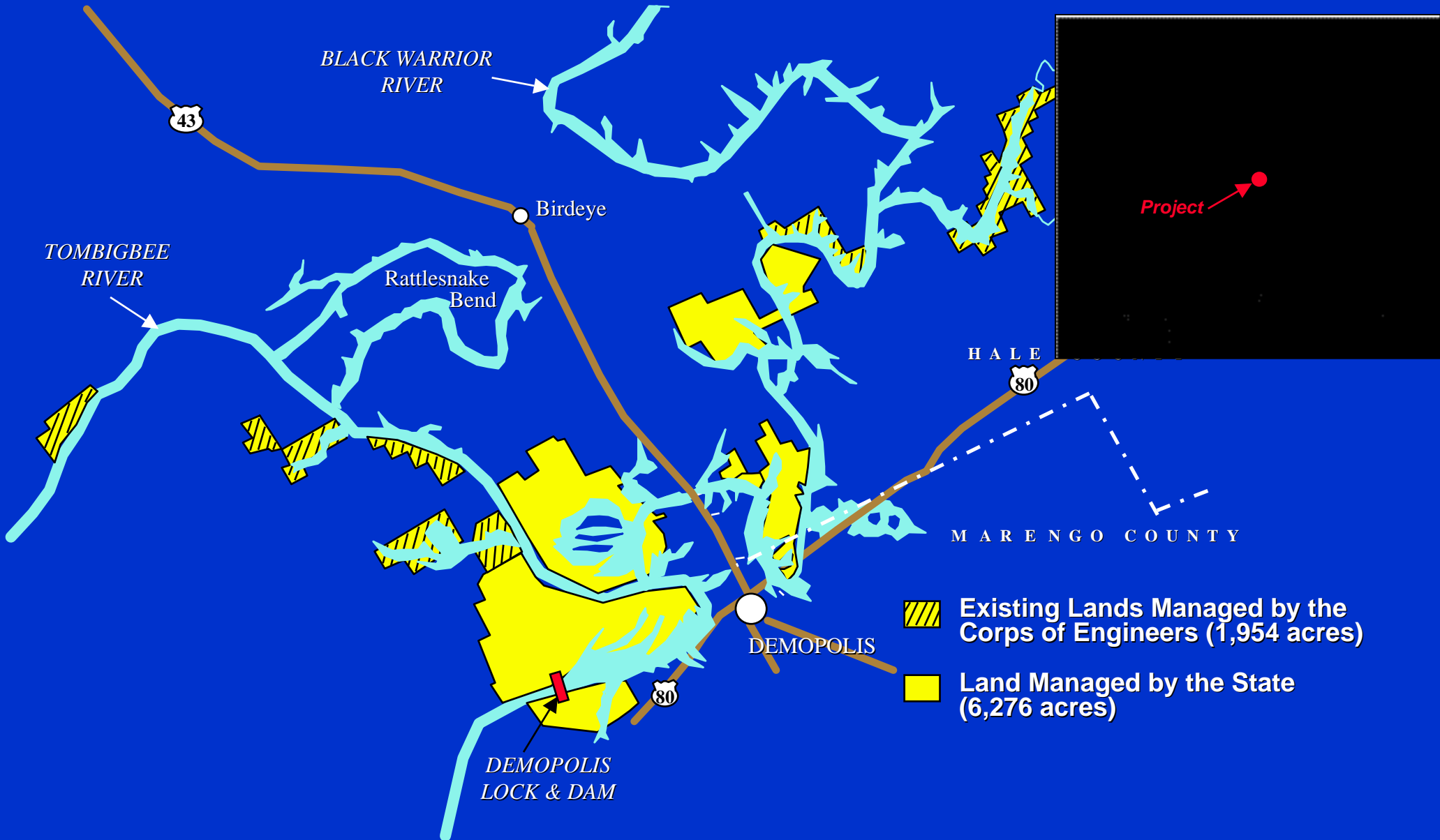


TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS

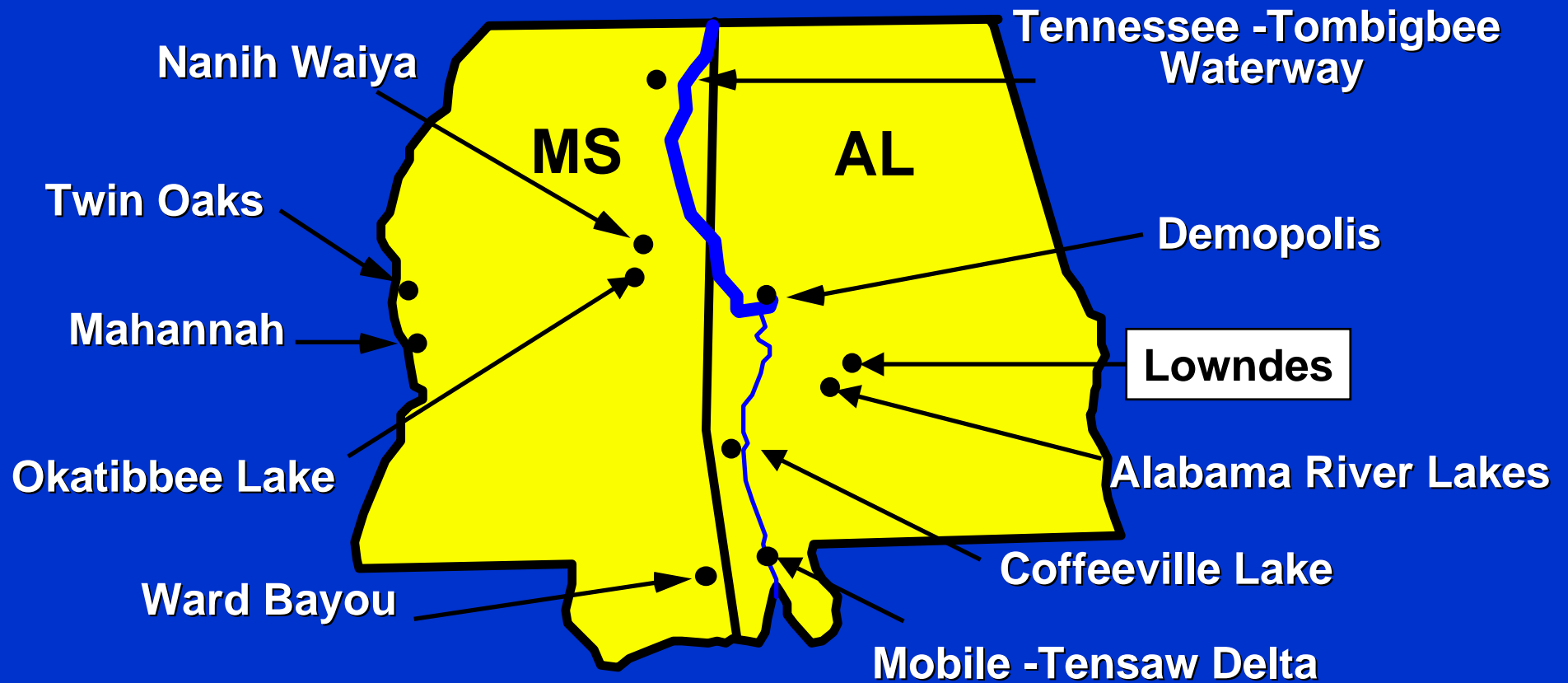


DEMOPOLIS WILDLIFE MANAGEMENT AREA

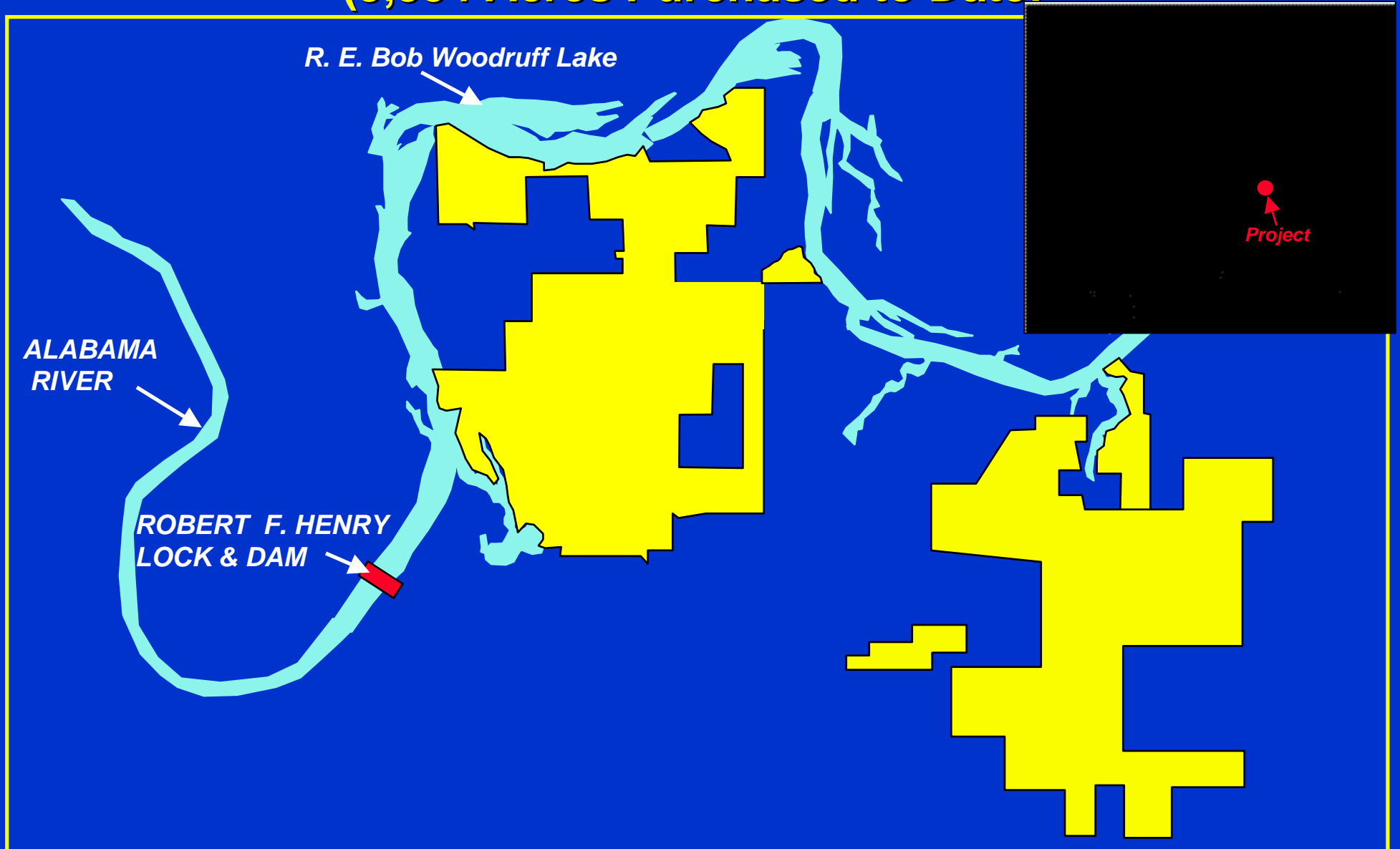


TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS



LOWNDES WILDLIFE MANAGEMENT AREA (9,554 Acres Purchased to Date)



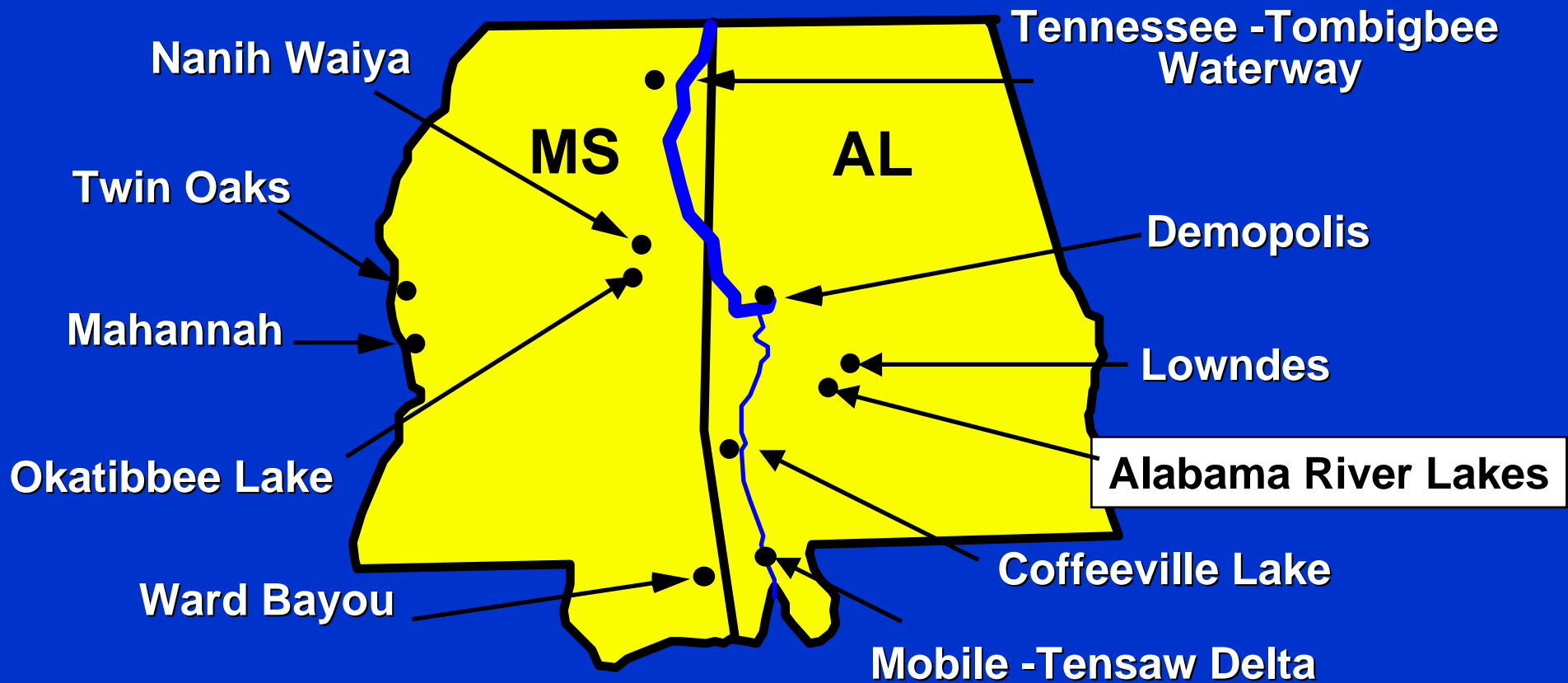






TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS



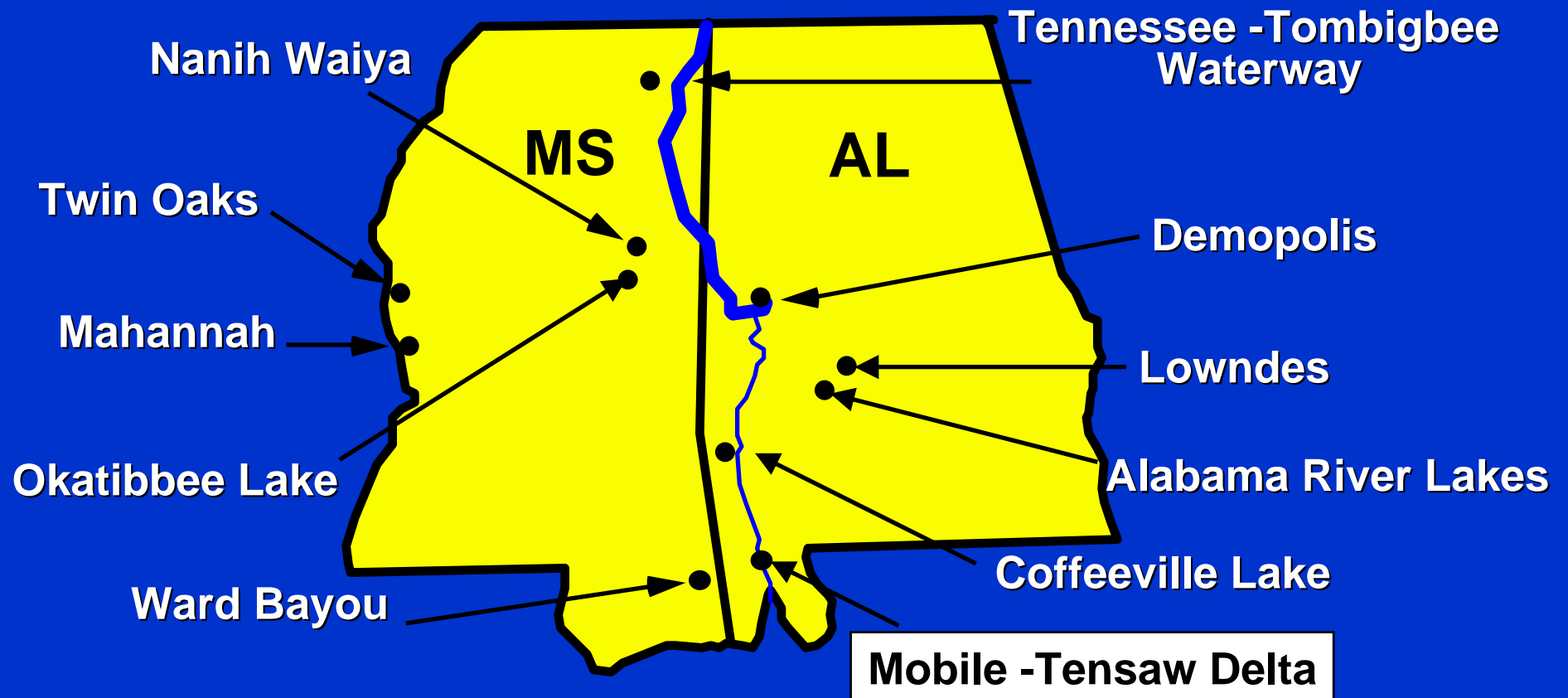




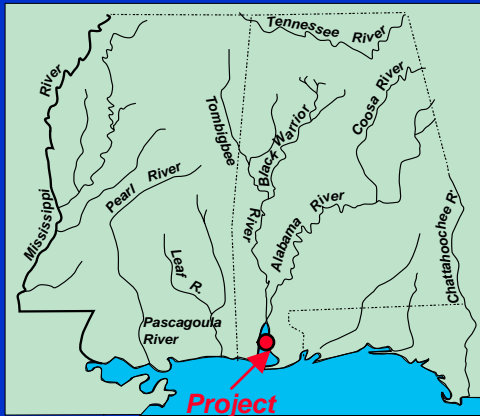




TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION AREAS



MOBILE - TENSAW DELTA Wildlife Management Area (21,180 Acres)











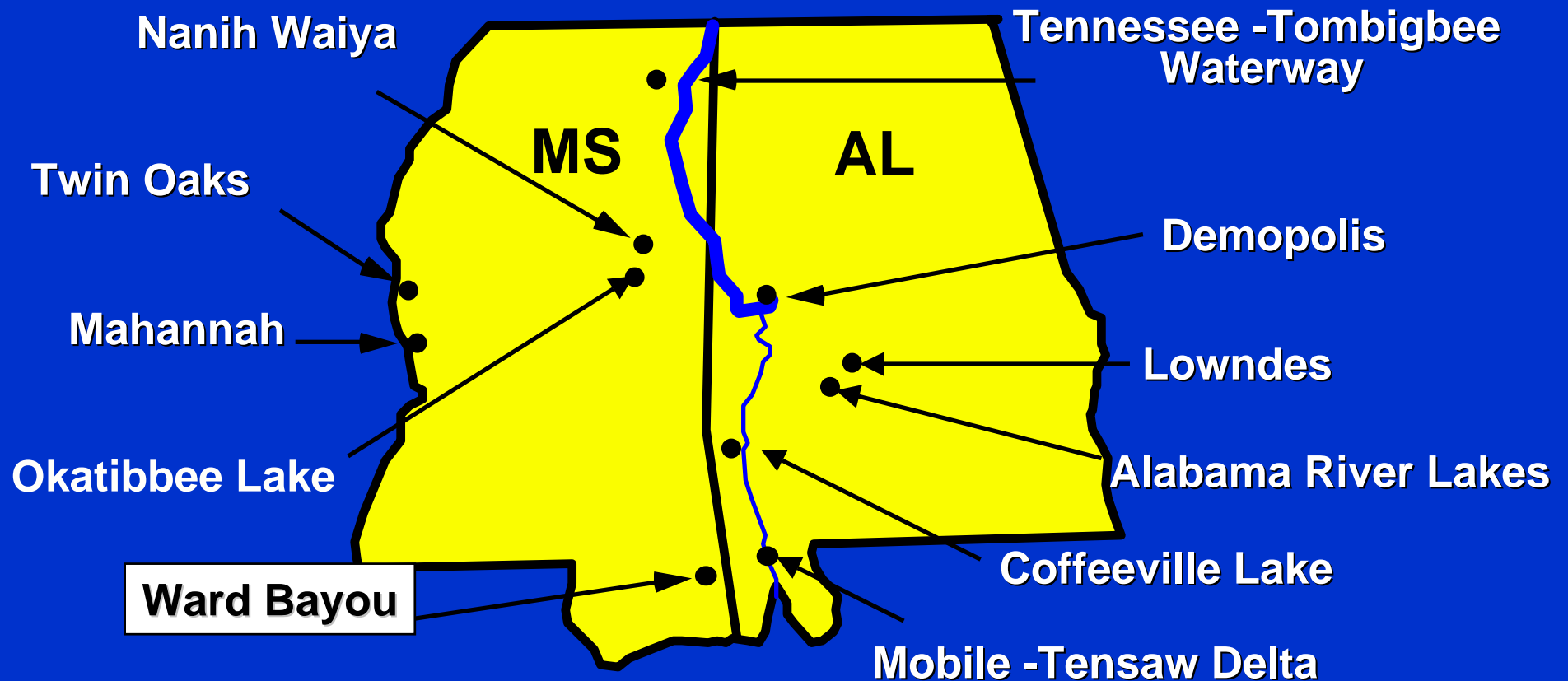




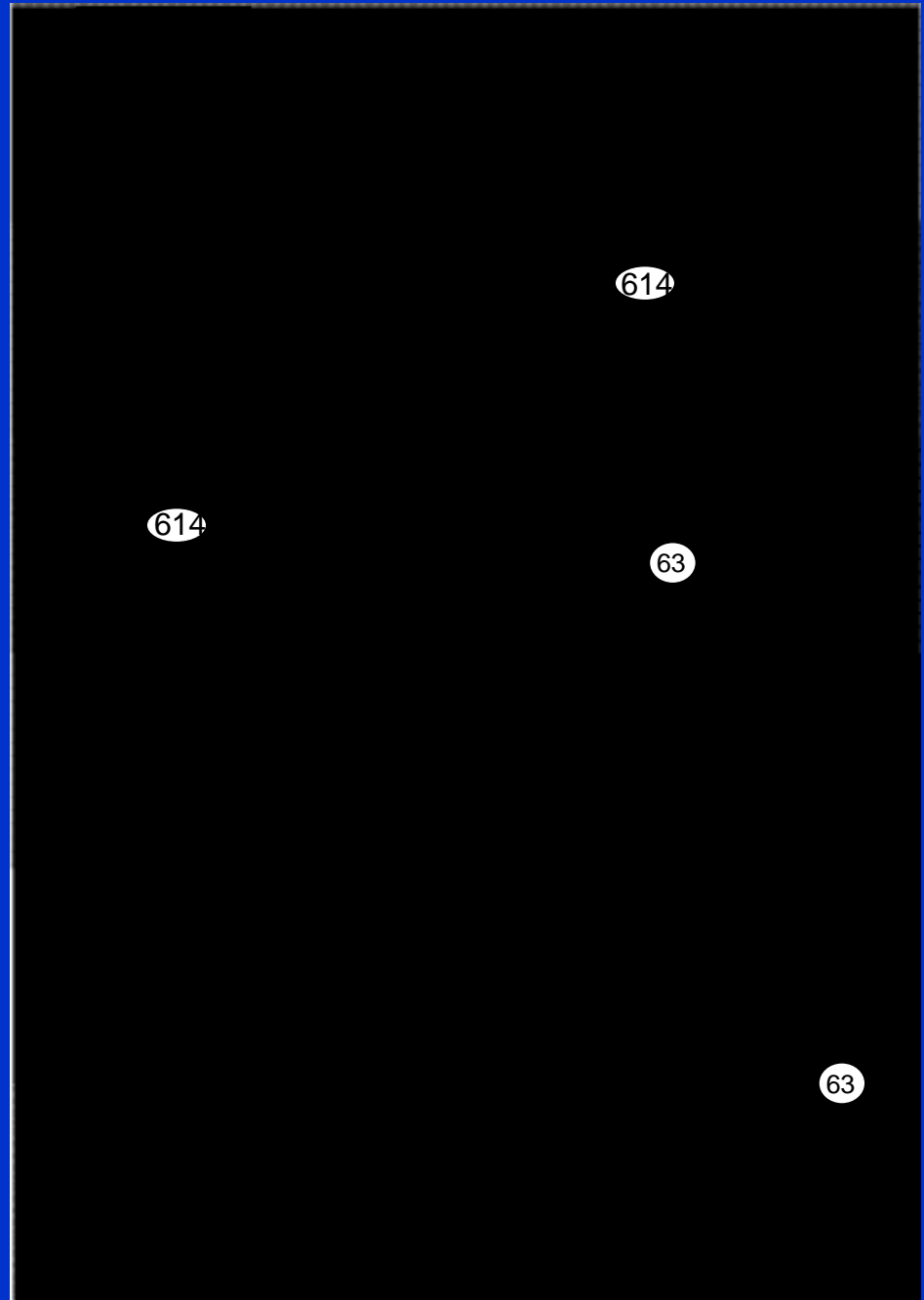
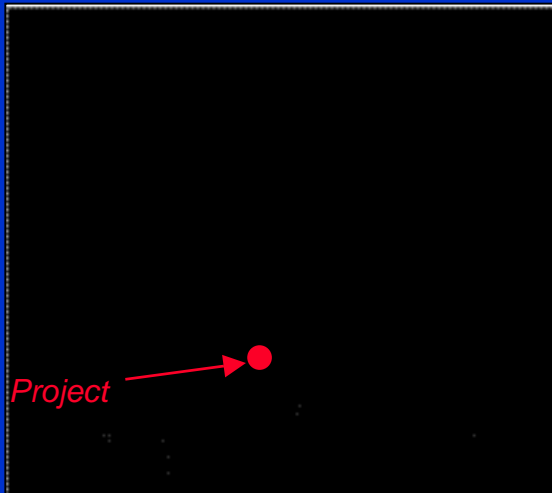


TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS



WARD BAYOU Wildlife Management Area (13,433 Acres)













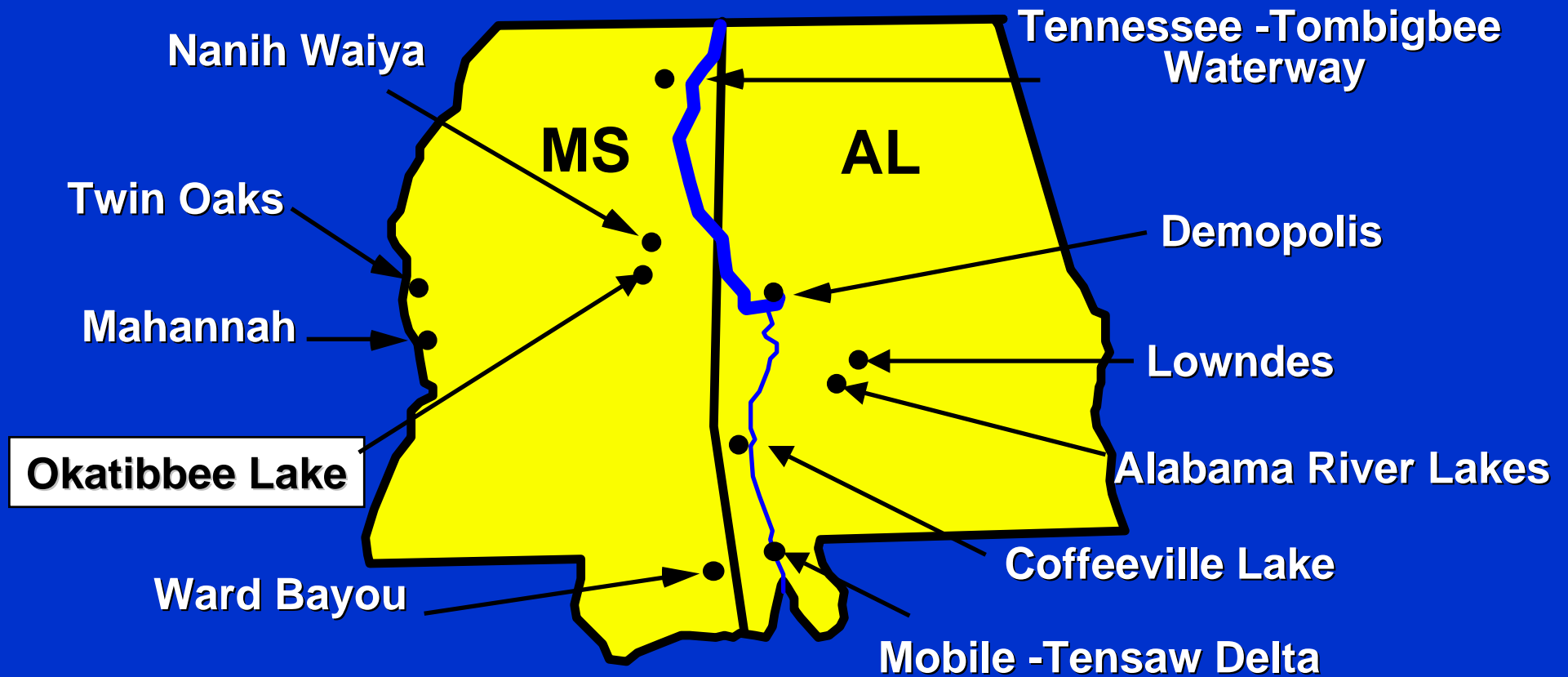




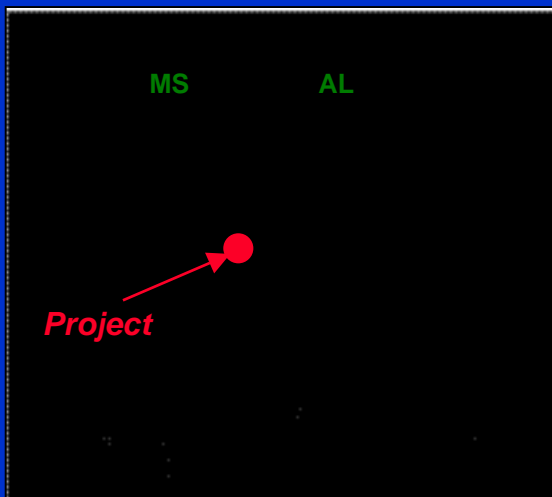




TENNESSEE - TOMBIGBEE WATERWAY

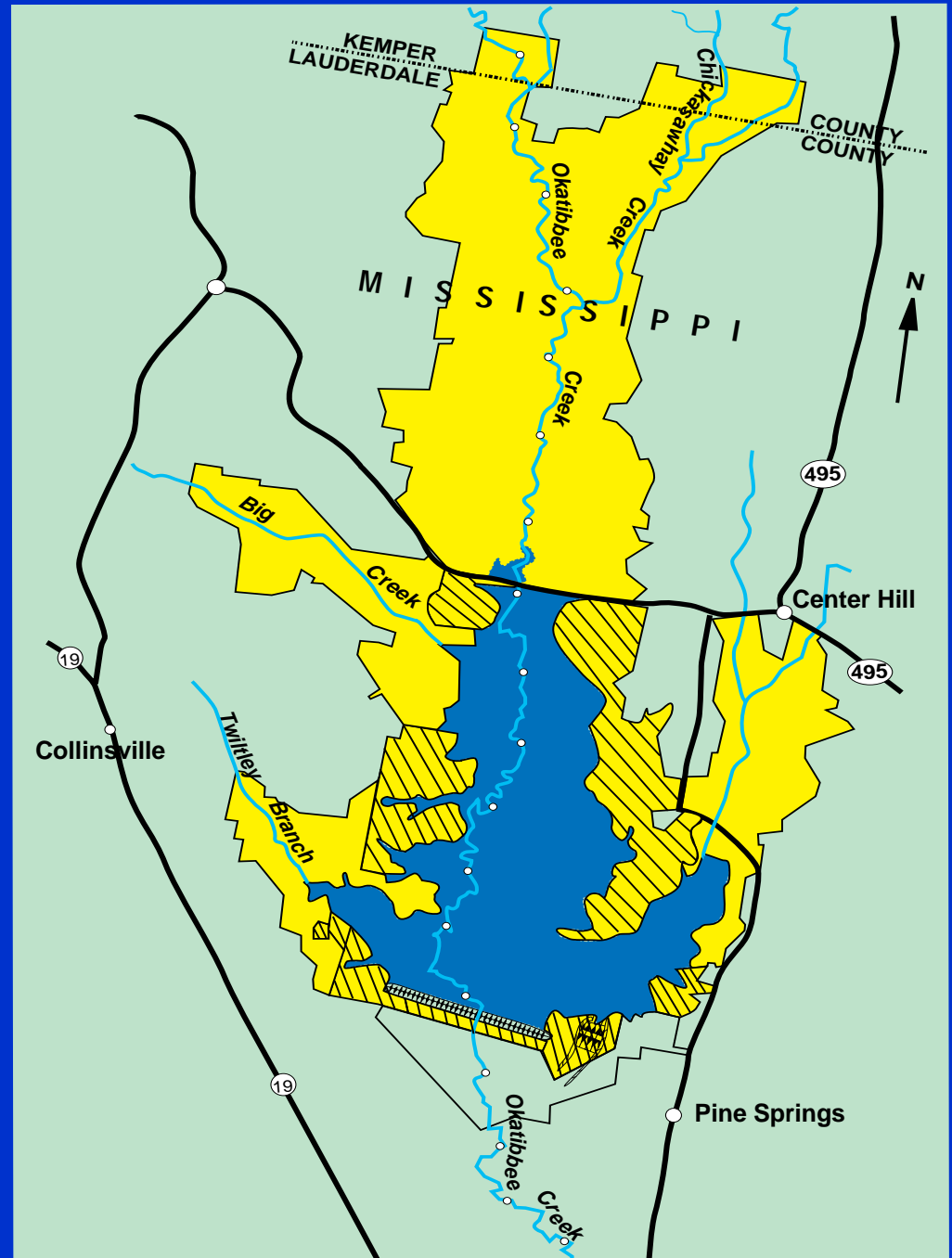
WILDLIFE MITIGATION AREAS

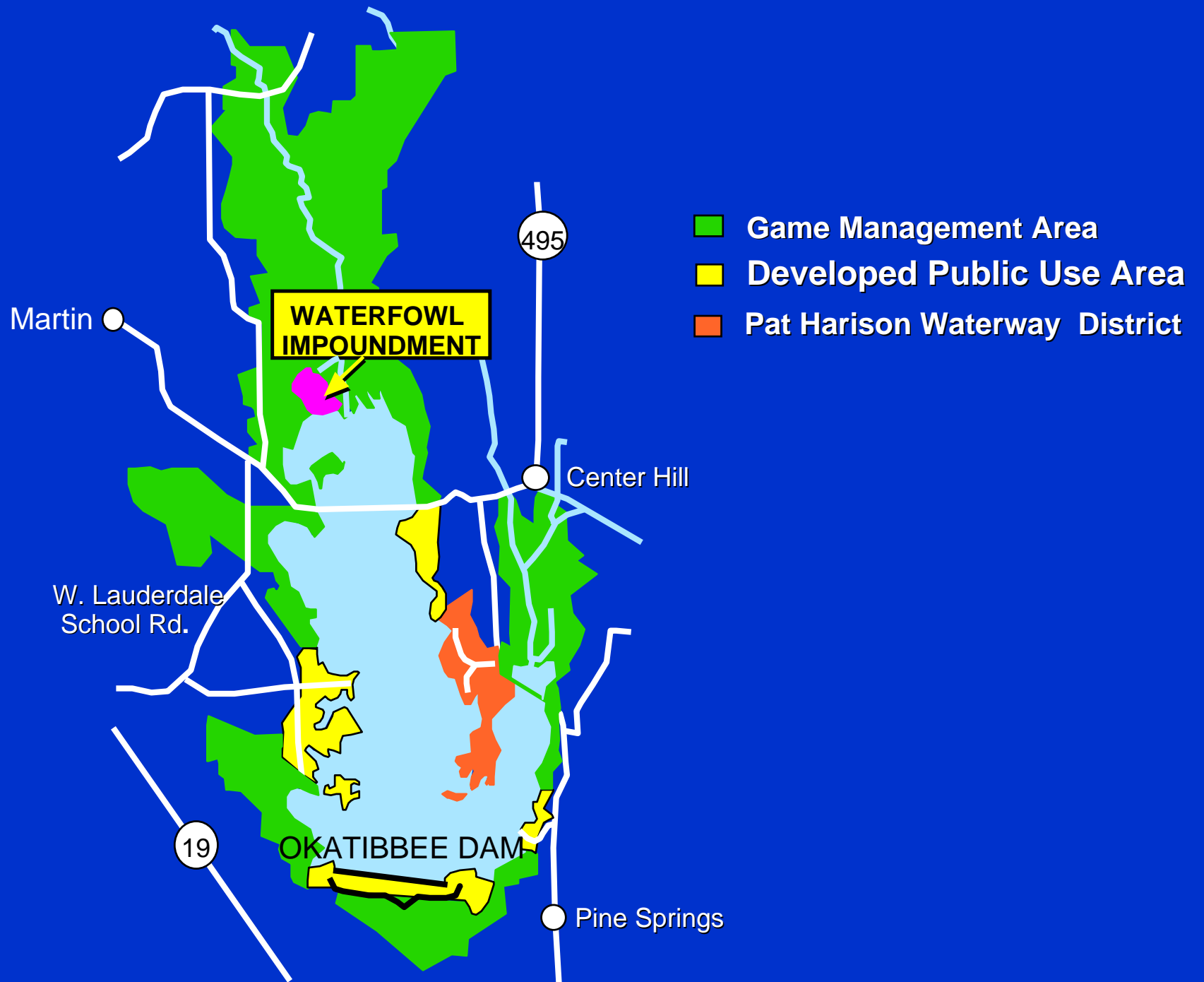


OKATIBBEE LAKE Wildlife Management Area (6,883 Acres)

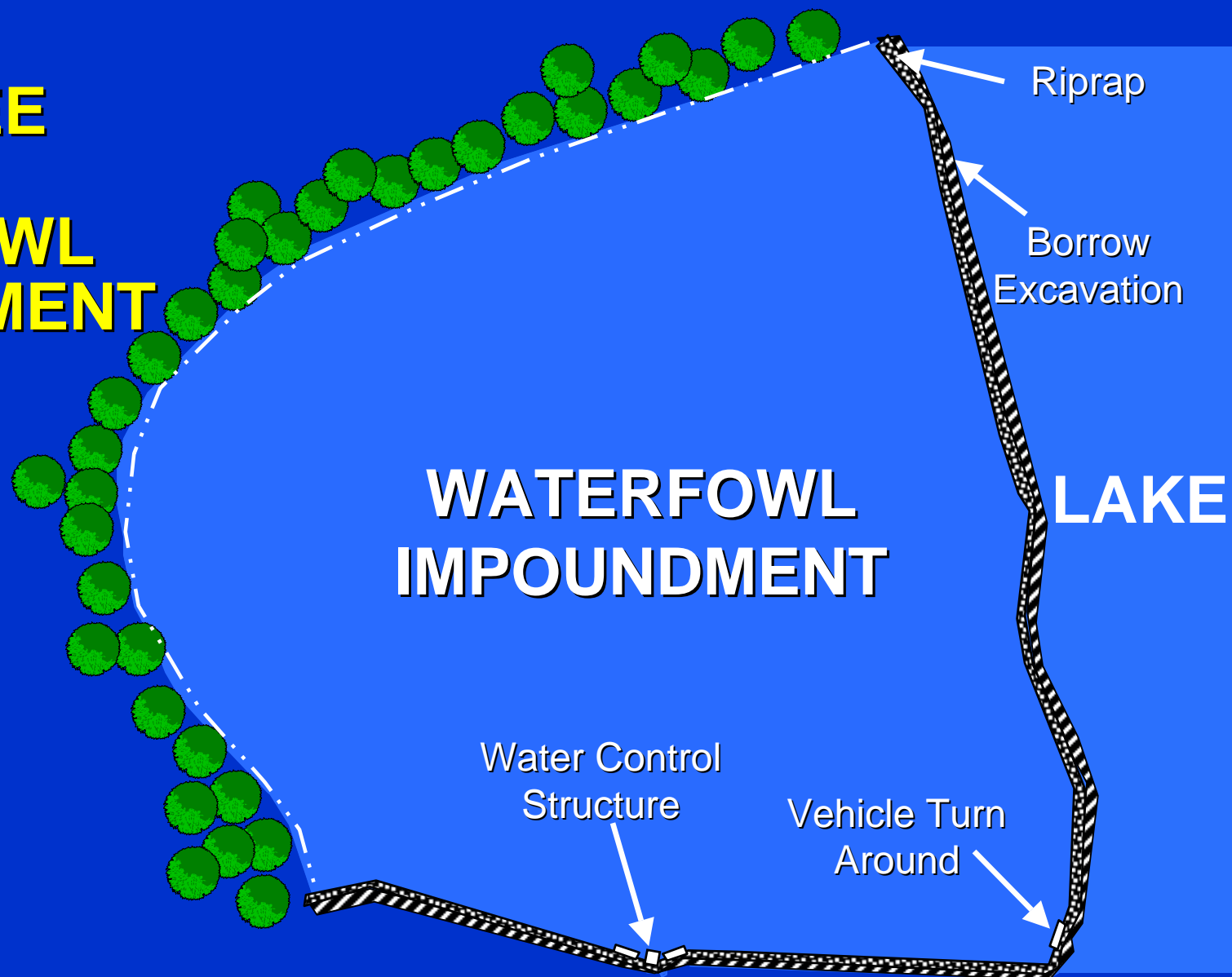


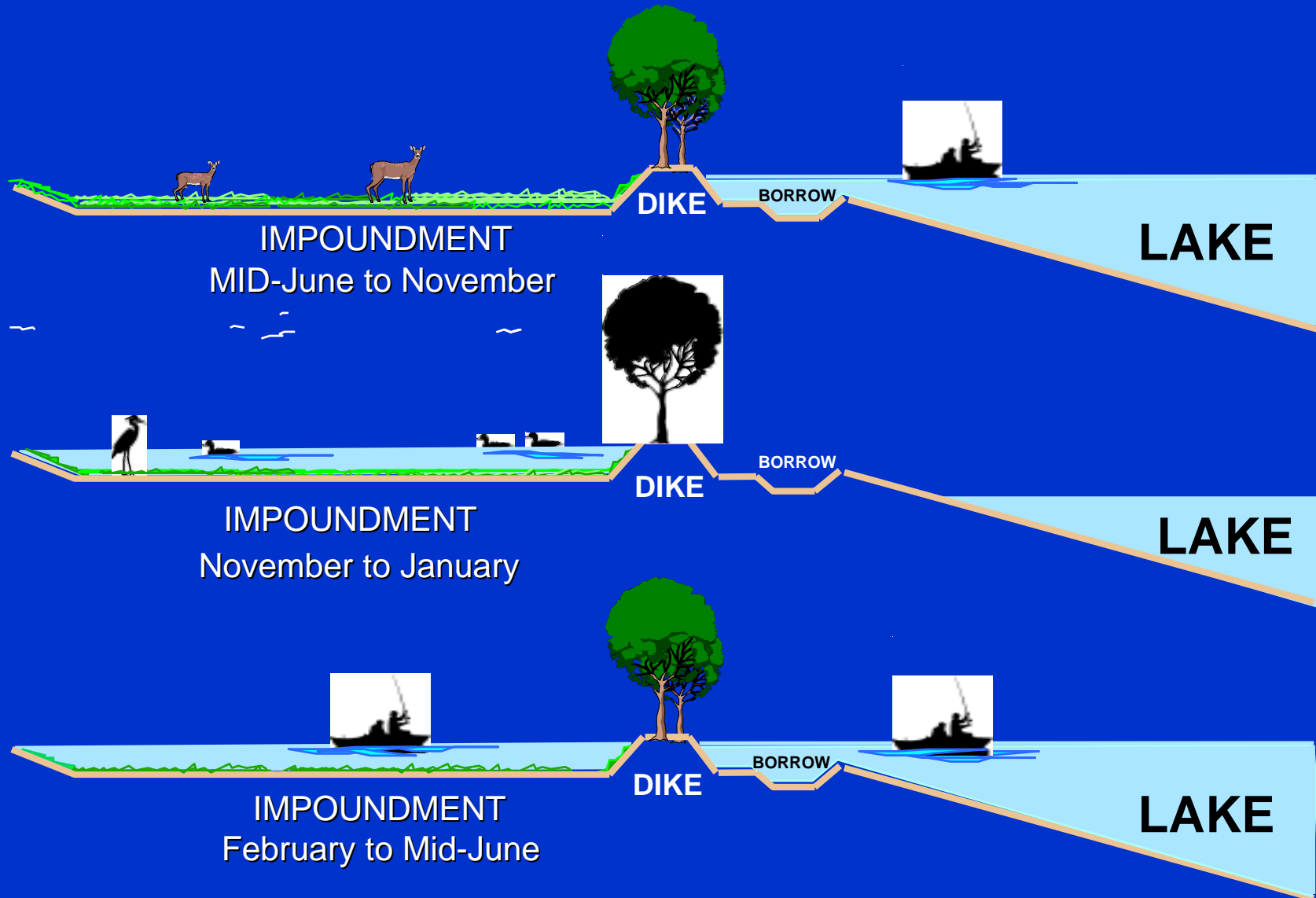
-  Lands Managed by the State (6,883 Acres)
-  Lands Managed by the Corps of Engineers (1,352 Acres)





OKATIBBEE LAKE WATERFOWL IMPOUNDMENT





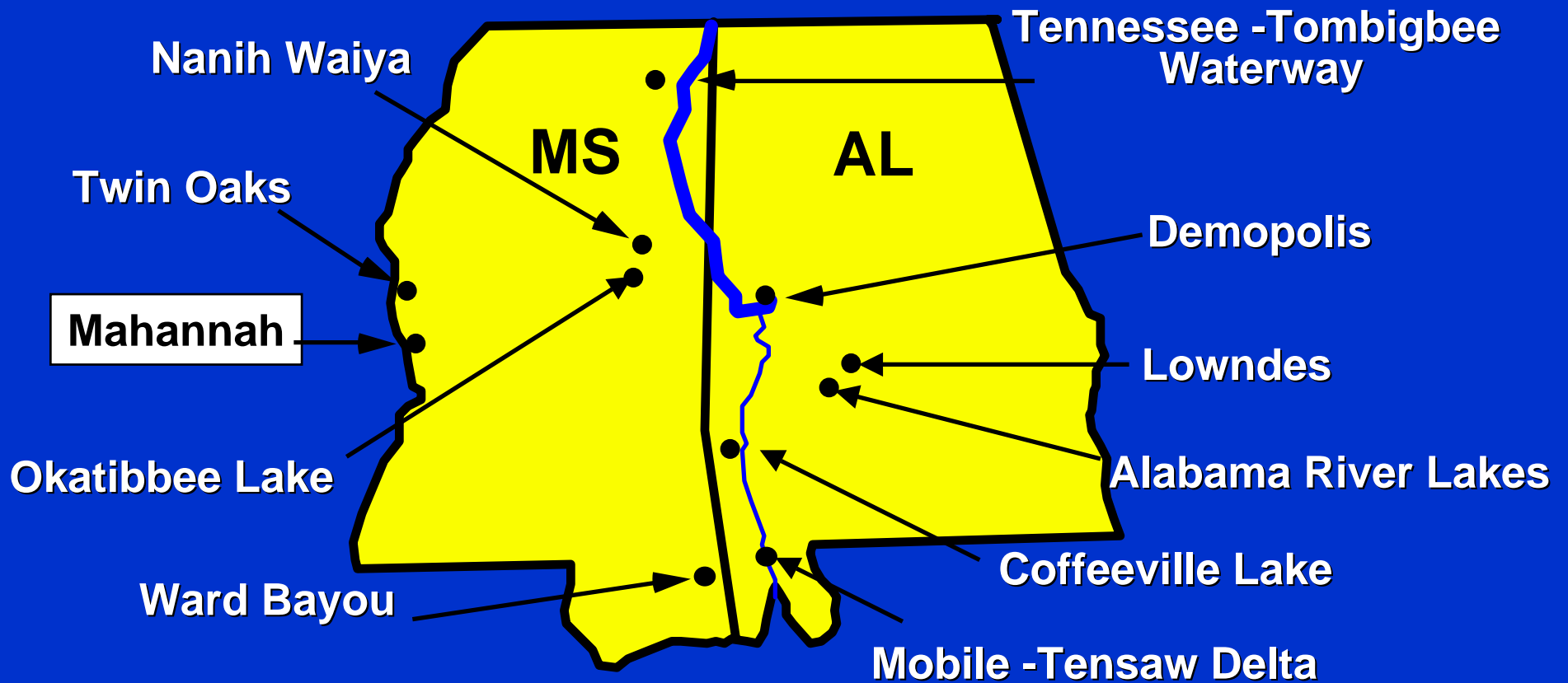
OKATIBBEE LAKE WATERFOWL IMPOUNDMENT





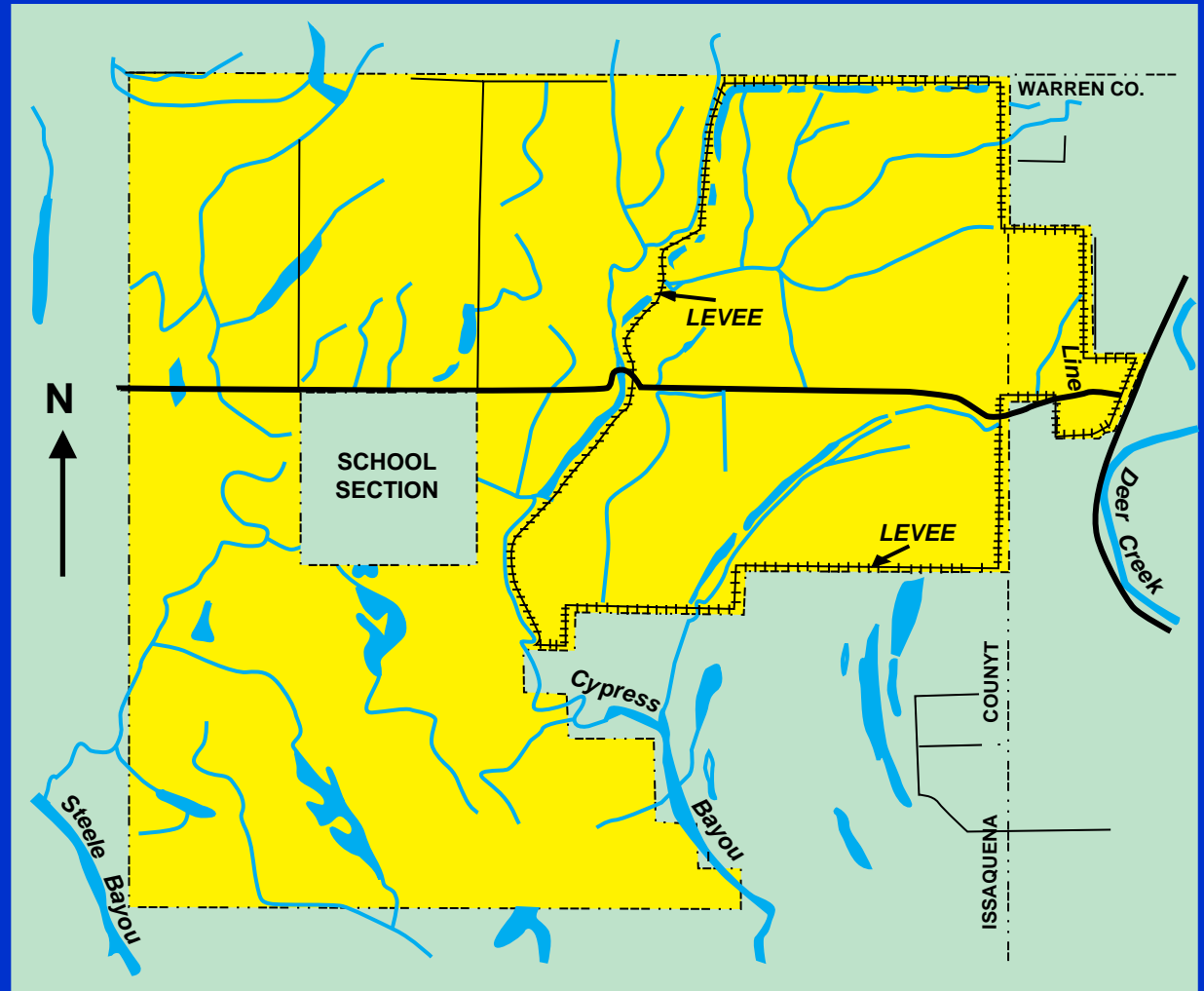
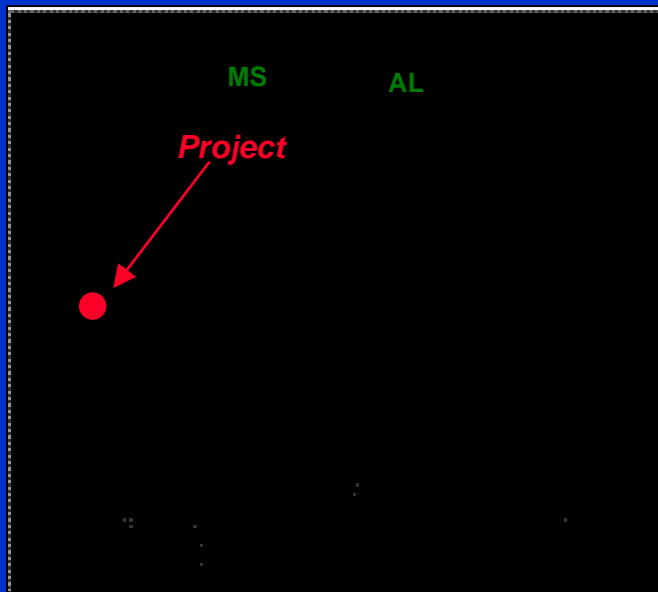
TENNESSEE - TOMBIGBEE WATERWAY

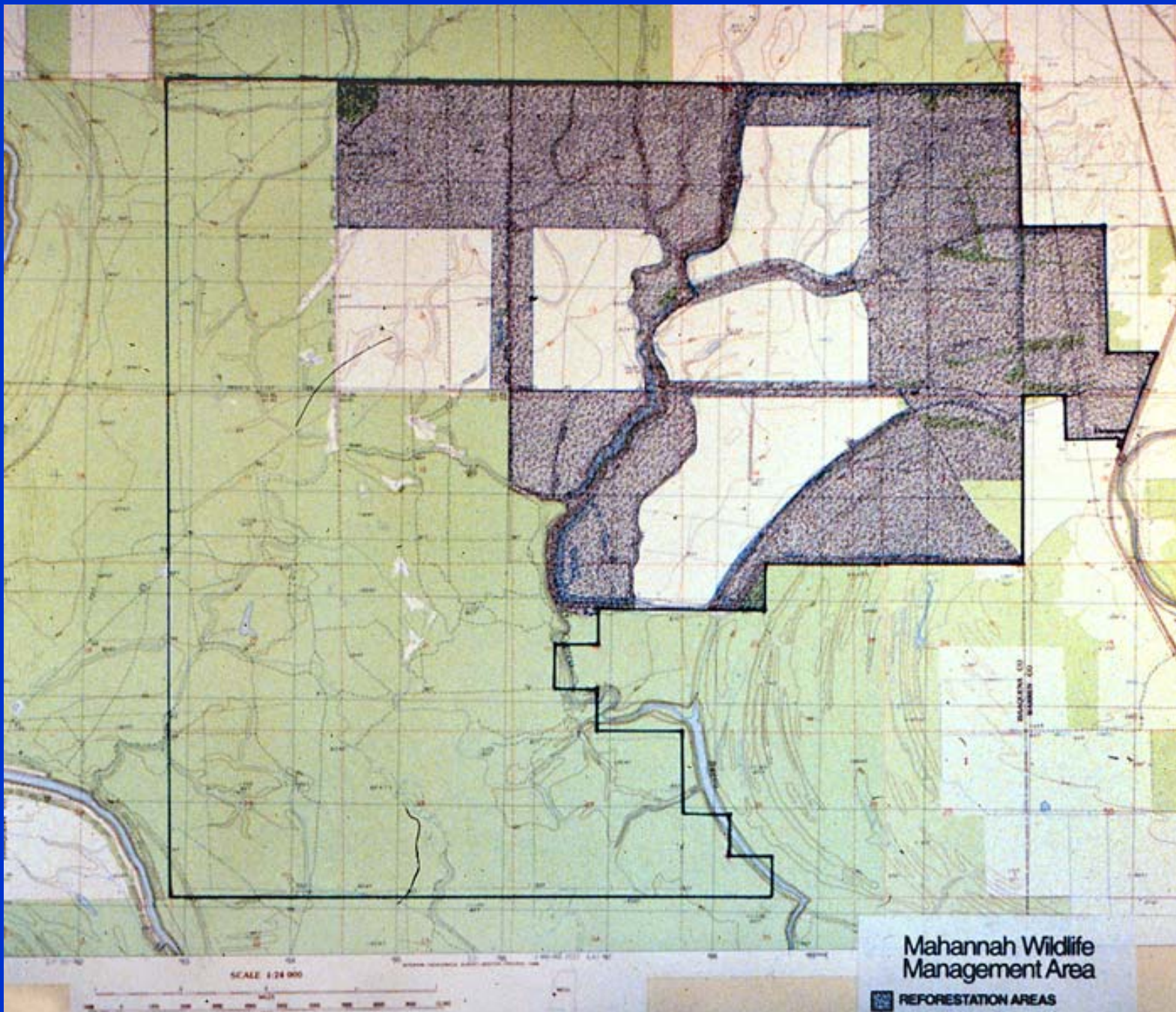
WILDLIFE MITIGATION AREAS



MAHANNAH

Wildlife Management Area (12,695 Acres)















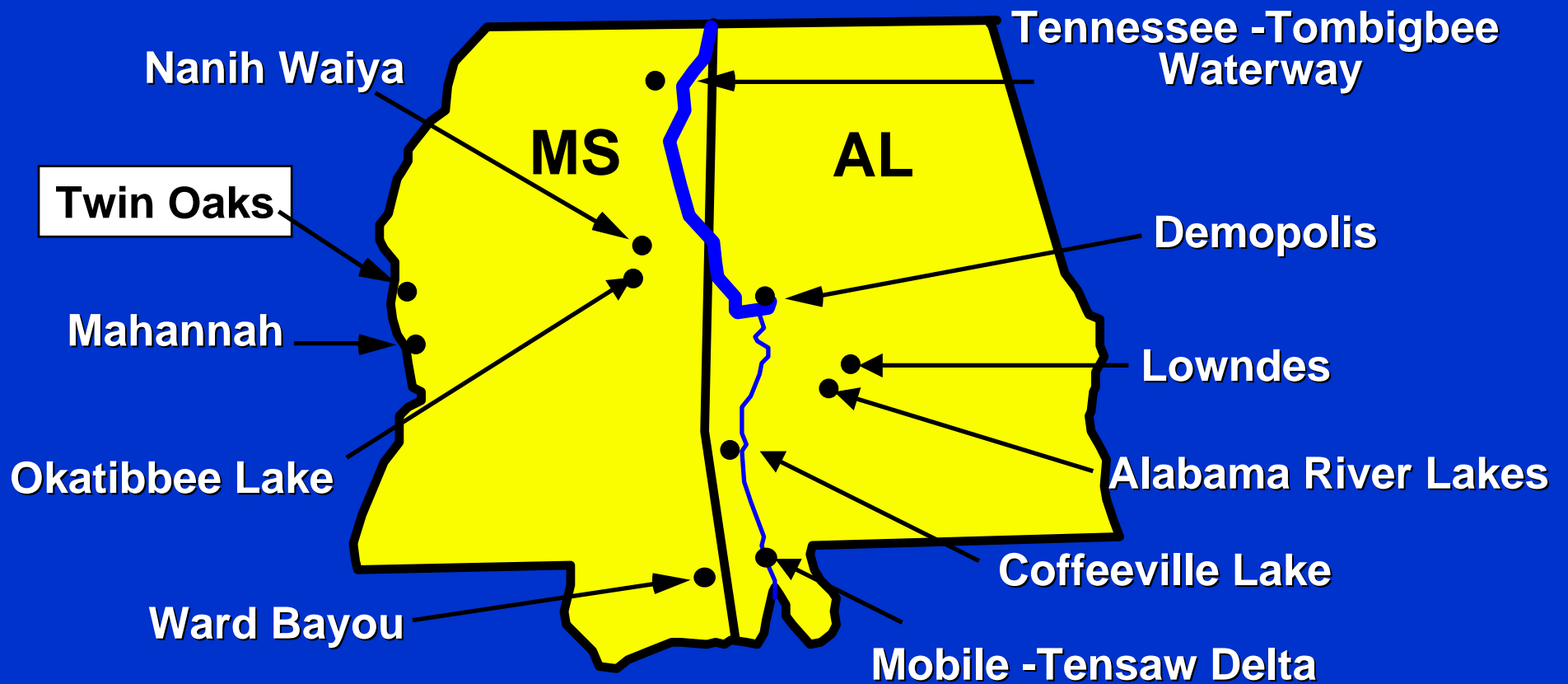




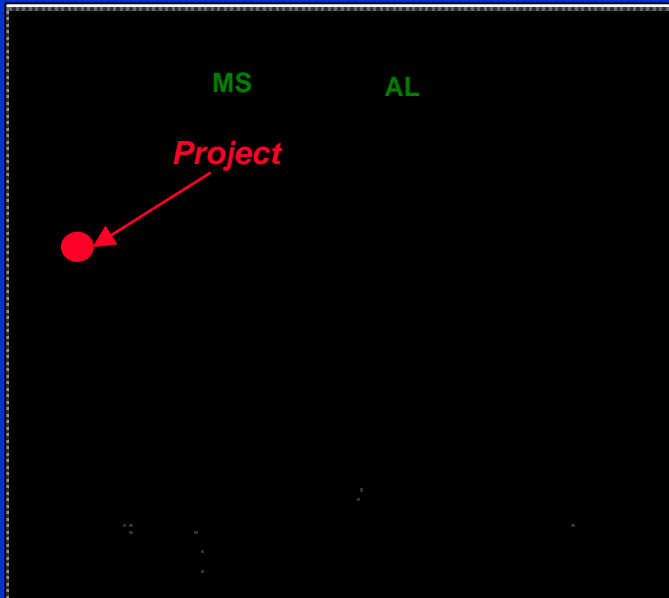


TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS

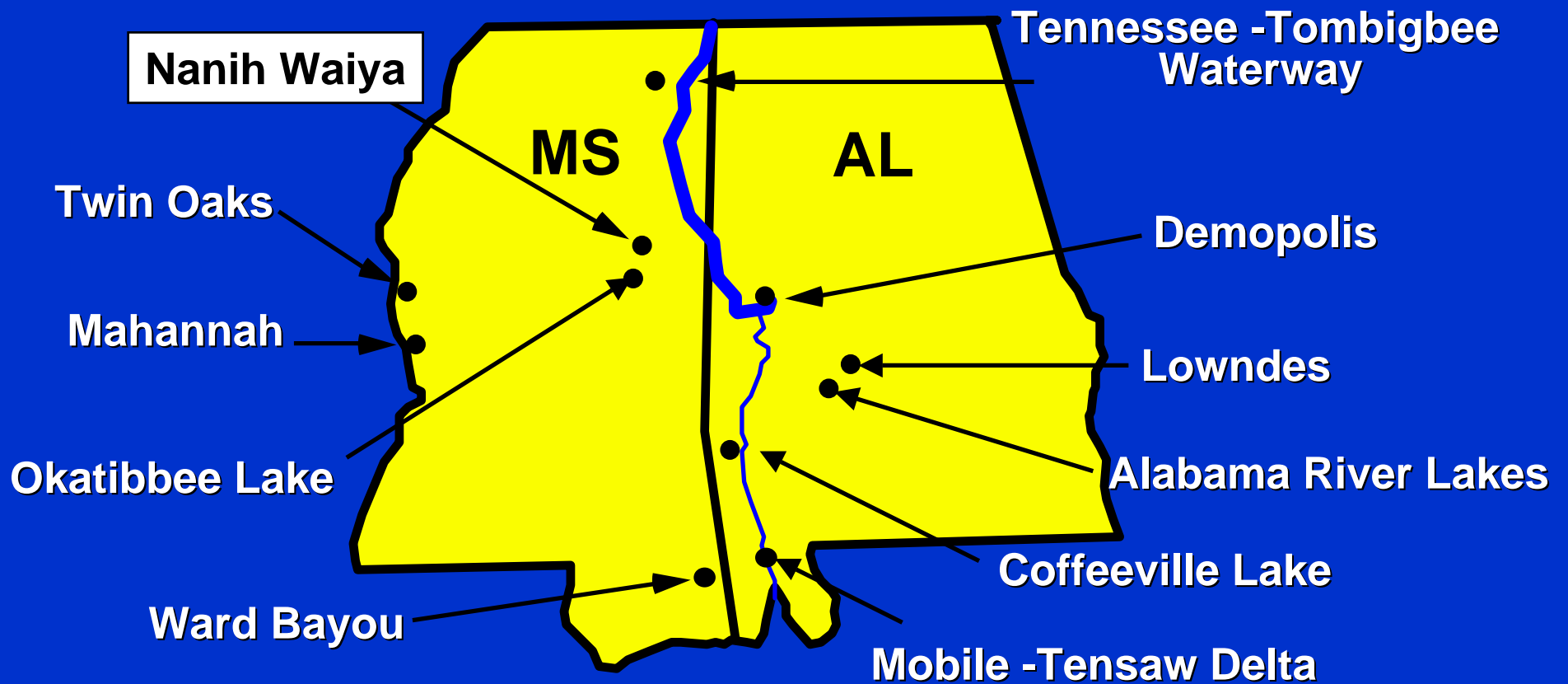


TWIN OAKS Wildlife Management Area (5,847 Acres)

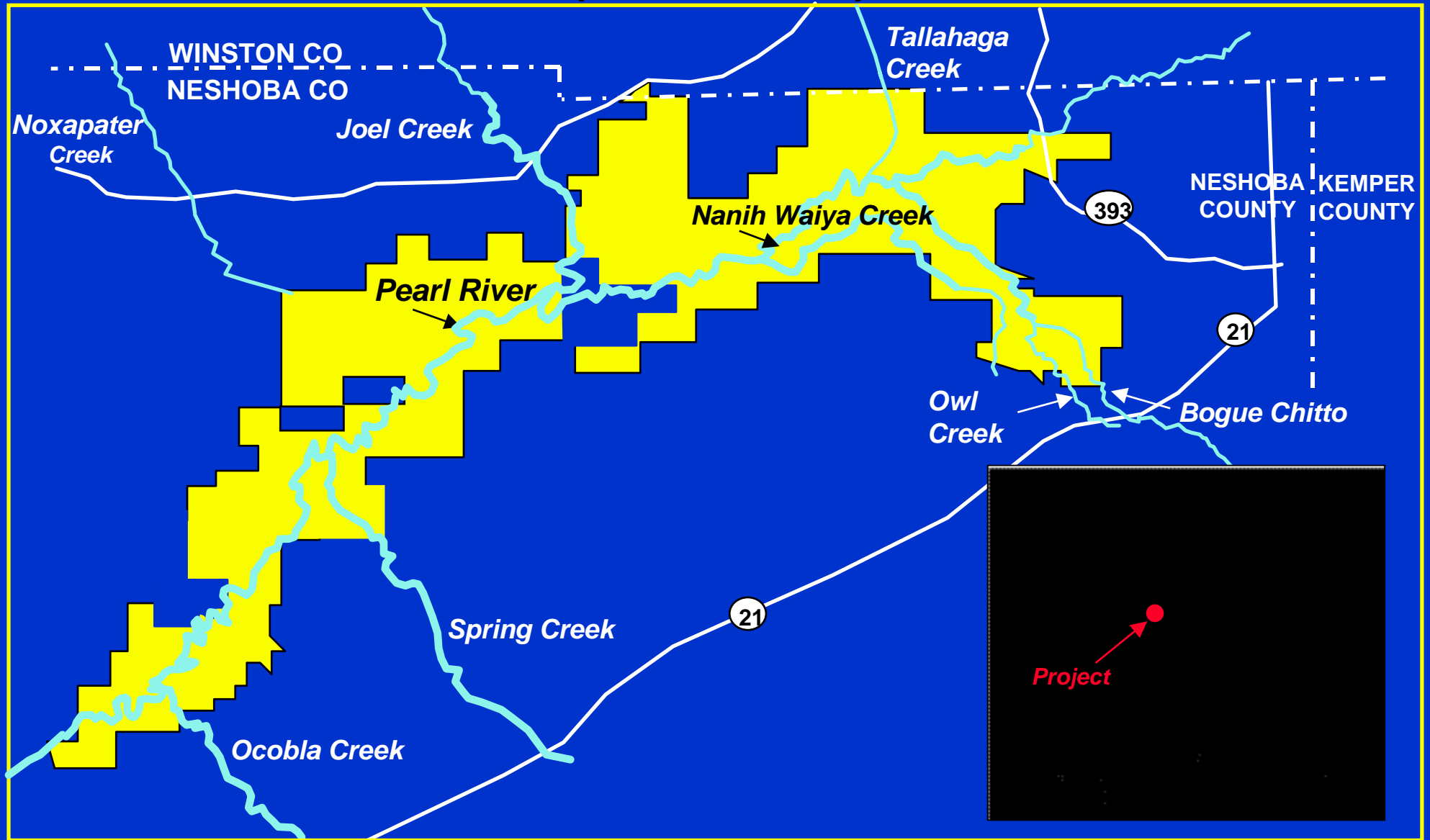


TENNESSEE - TOMBIGBEE WATERWAY

WILDLIFE MITIGATION AREAS

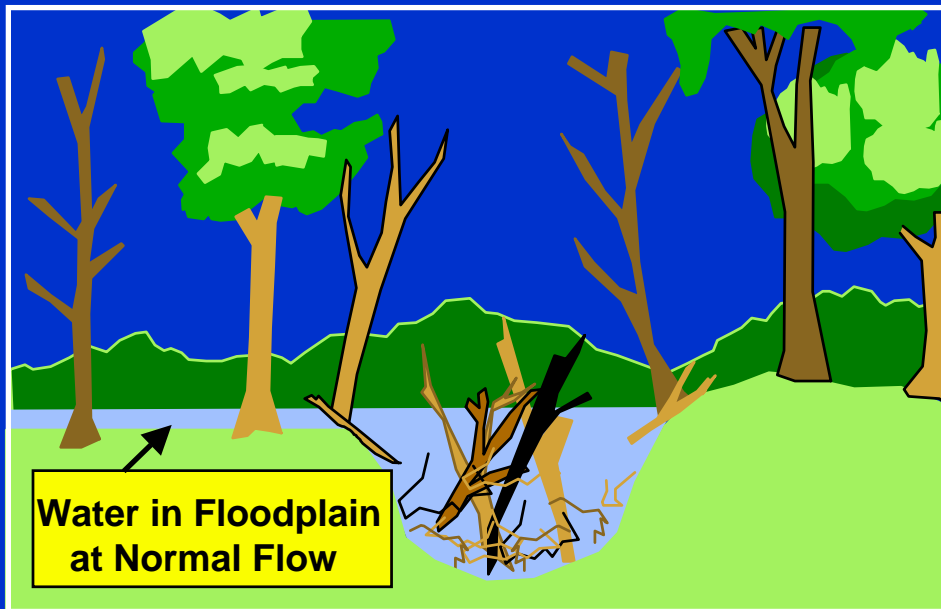


NANIH WAIYA WILDLIFE MANAGEMENT AREA (7,655 Acres)

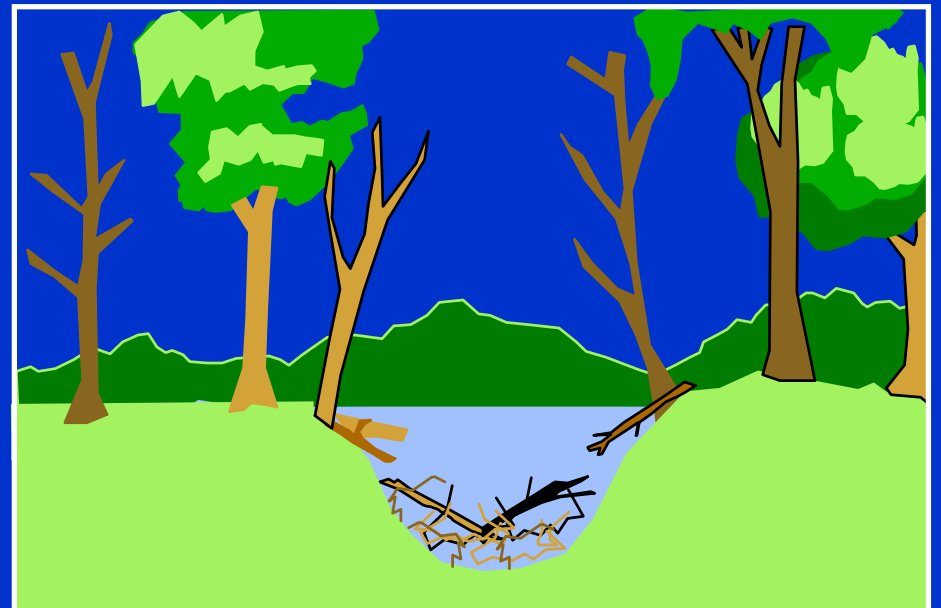


STREAM CONDITIONS

Existing Condition



After Clearing







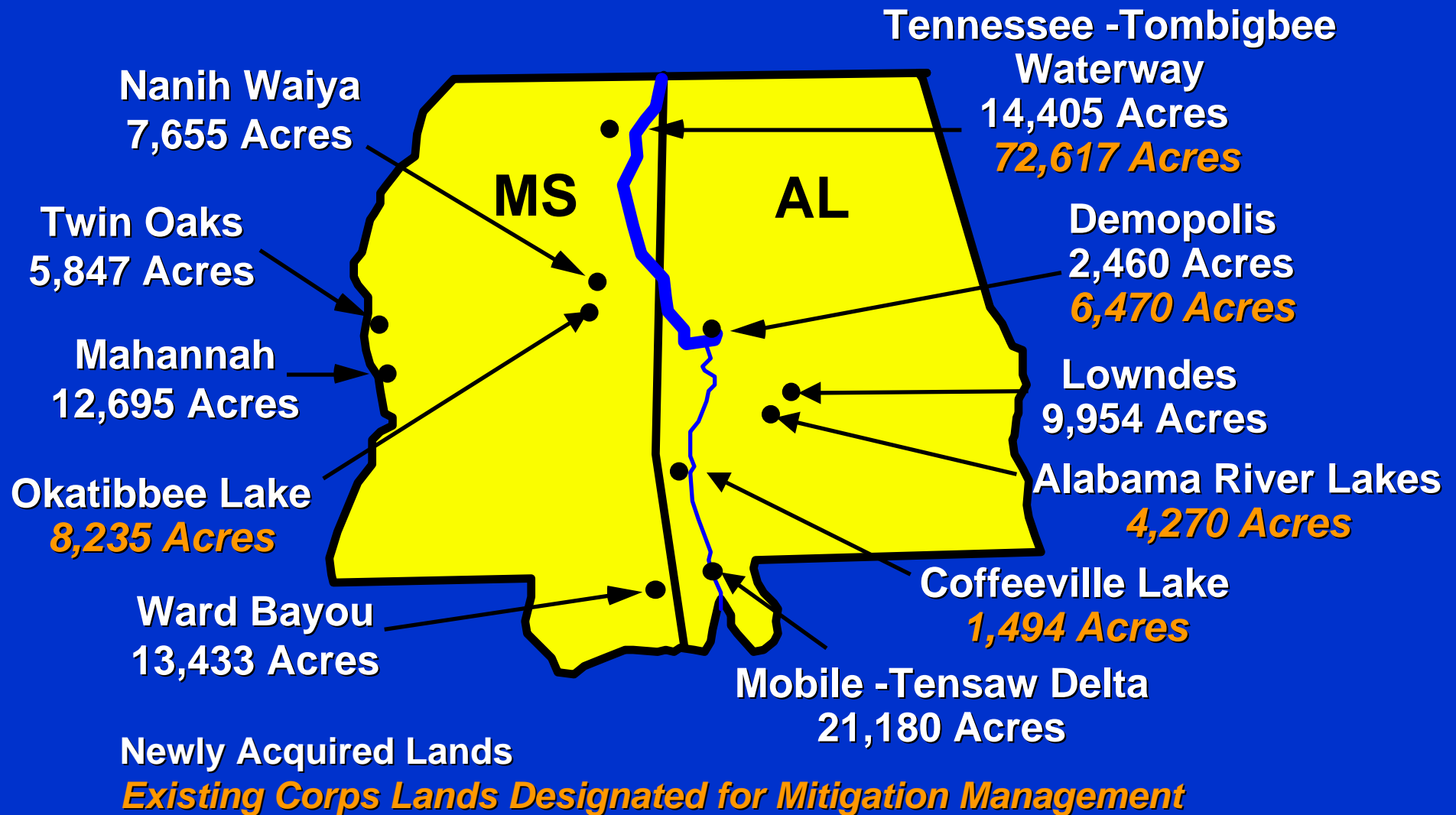




FORESTED WETLANDS PURCHASED TO DATE

	<u>TOTAL</u>	<u>FORESTED WETLANDS</u>	<u>OTHER</u>
Ward Bayou	13,433 ac	12,713 ac	720 ac
Mahannah	12,695	10,095	2,600
Twin Oaks	5,847	5,847	0
Nanih Waiya	7,655	7,542	113
Northeast Mississippi	14,405	13,178	1,227
Demopolis	2,460	2,460	0
Lowndes	9,554	7,720	2,234
Mobile-Tensaw Delta	<u>21,180</u>	<u>20,672</u>	<u>508</u>
	87,629	80,227	7,402
		92%	8%

TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION AREAS



TENNESSEE-TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT

SUMMARY OF STATE MANAGED LANDS

Under State Management to Date

MISSISSIPPI

	<u>Existing Project Lands</u>	<u>Separable Mitigation Lands</u>	<u>Total</u>	<u>Remaining Lands Targeted for Acquisition</u>
N.E. MS (Divide & Canal Section WMAs)	26,414	14,405	40,819	0
Okatibbee WMA	6,883	-	6,883	0
Ward Bayou WMA	-	13,433	13,433	0
Mahannah WMA	-	12,695	12,695	0
Twin Oaks WMA	-	5,847	5,847	0
Nanah Waiya WMA	-	7,655	7,655	0
State Total	<u>33,297</u>	<u>54,035</u>	<u>87,332</u>	<u>0</u>

ALABAMA

Demopolis WMA	3,816	2,460	6,276	65
Mobile - Tensaw Delta WMA	-	21,180	21,180	0
Lowndes WMA	-	9,954	9,954	306
State Total	<u>3,816</u>	<u>33,594</u>	<u>37,410</u>	<u>371</u>
GRAND TOTAL	37,113	87,629	124,742	371

SPECIAL STUDIES AND MANAGEMENT EFFORTS

- Gopher Tortoise Census and Management Recommendations at Ward Bayou WMA
- Alabama Redbelly Turtle Distribution, Abundance and Reproduction Evaluations at Mobile Tensaw Delta WMA
- Yellow-blotched Map Turtle Abundance and Reproduction Evaluations and Habitat Restoration at Ward Bayou WMA
- Ring-sawback Turtle Census and Nesting Determination at Nanih Waiya WMA
- Bald Eagle Hacking Program
- Forest Management Plans for Selected WMAs
- Monitoring Programs
- Louisiana Black Bear Habitat Improvement (Reforestation)
- Black Bear Status in Mobile Tensaw Delta WMA
- Wood Duck Hen and Brood Survival
- Red Hills Salamander Census and Management Recommendations

SELECTED MANAGEMENT FACTS

- Mitigation Lands Managed to Date
 - State - 124,742 acres
 - Corps - 55,487 acres
- Reforestation Through July 2000
 - +15,000 acres
 - +4,500,000 Hardwood Seedlings
- Waterfowl Impoundments
 - 32 Impoundments
 - 3,100 acres
- +100 Miles of Road Improvements
- 6 New Management Facilities
- 3 Management Facilities Upgraded
- +3,000 Wood Duck Nest Boxes
- 35-Mile Bluebird Nest Trail Along Canal Section Levee
- Neotropical Songbird Monitoring Program
- Annual Bald Eagle Monitoring Program
- Quality Management Hunt Program at Mahannah, Twin Oaks WMAs
- +100,000 Migratory Waterfowl Overwinter on all Mitigation Areas
- 25 State Employees Funded
- All Management Equipment Funded by Corps

TENNESSEE - TOMBIGBEE WATERWAY PROJECT

Mississippi Mitigation Areas





US Army Corps of Engineers

Mobile District

“The Team Spirit District”